

VERIZON TELEPHONE COMPANIES

Vice President, Federal Regulatory

1300 I Street NW

Washington, DC 20005

Issued: December 2, 2019

TARIFF FCC NO. 16

333rd Revised Page 1

Cancels 332nd Revised Page 1

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ACCESS SERVICE**Check Sheet**

Title Pages 1 to 4 and Pages 1 to 23-6 inclusive, of this tariff are effective as of the date shown. The original and revised pages named below and Supplement No. 1, 2, 5, 6, 7, 8, and 10 contain all changes from the original tariff that are in effect on the date shown.

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9	38th	52	1st	2-38	Original
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18	1st	2-9	3rd*	2-48	Original
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20	3rd	2-12	1st	2-51	1st
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22	5th	2-14	7th	2-53	Original
23	5th	2-14.1	3rd	2-54	Original
24	2nd	2-15	6th	2-55	Original
25	1st	2-16	3rd*	2-56	1st
26	4th	2-17	4th	2-57	2nd*
27	5th*	2-18	4th	2-58	Original
28	4th	2-18.1	1st	2-59	Original
29	5th	2-19	4th	2-60	2nd
30	7th	2-20	4th	2-61	1st
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4-11	7th	6-17	1st	6-61.2	1st
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6-73	1st	6-115	5th	6-153	3rd
6-74	2nd	6-116	2nd	6-154	4th
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6-78	4th	6-120	Original	6-158	1st
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6-90	2nd	6-132	2nd	6-170	8th
6-91	1st	6-133	Original	6-171	3rd
6-92	Original	6-134	1st	6-171.1	2nd
6-93	Original	6-135	Original	6-172	3rd
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6-95	Original	6-137	1st	6-174	2nd
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6-97	3rd	6-139	2nd	6-176	8th
6-98	Original	6-140	Original	6-177	2nd
6-99	1st	6-141	1st	6-178	8th
6-100	Original	6-142	2nd	6-179	2nd
6-101	1st	6-143	2nd	6-179.1	2nd
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6-103	1st	6-145	Original	6-181	6th
6-104	1st	6-146	1st	6-182	1st
6-105	1st	6-147	1st	6-183	8th
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1300 I Street NW

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6-196	1st	6-235.1	2nd	7-6	6th*
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6-198	2nd	6-237	13th	7-8	1st*
6-199	4th	6-238	2nd	7-9	Original
6-200	3rd	6-239	12th	7-10	Original
6-201	1st	6-240	14th	7-11	3rd
6-202	7th	6-241	3rd	7-12	8th*
6-203	1st	6-242	9th	7-12.1	2nd*
6-204	1st	6-243	2nd	7-13	2nd*
6-205	10th	6-243.1	1st	7-14	5th*
6-206	Original	6-244	2nd	7-14.1	2nd*
6-207	8th	6-245	2nd	7-15	3rd*
6-208	10th	6-246	1st	7-16	2nd*
6-209	3rd	6-247	1st	7-17	6th*
6-210	8th	6-248	8th	7-18	1st*
6-211	2nd	6-249	1st	7-19	2nd*
6-211.1	1st	6-250	4th	7-19.1	1st*
6-212	2nd	6-251	2nd	7-20	1st*
6-213	13th	6-251.1	2nd	7-21	1st*
6-214	1st	6-252	2nd	7-22	1st*
6-215	10th	6-253	5th	7-23	1st*
6-216	10th	6-254	1st	7-24	1st
6-217	3rd	6-255	9th	7-25	Original
6-218	10th	6-256	6th	7-26	Original
6-219	2nd	6-257	1st	7-27	2nd
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6-220	2nd	6-259	1st	7-28.1	2nd*
6-221	2nd	6-260	1st	7-29	4th*
6-222	1st	6-261	5th	7-30	1st
6-223	1st	6-262	1st	7-31	2nd
6-224	1st	6-263	6th	7-32	1st
6-225	1st	6-264	9th	7-33	1st
6-226	3rd	6-265	1st	7-34	2nd
6-227	1st	6-266	6th	7-35	4th
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7-47	1st*	7-57	14th	7-92	6th
7-48	1st*	7-58	1st	7-92.1	5th
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7-49.1	1st	7-60	2nd*	7-93.1	4th
7-49.2	1st	7-61	3rd*	7-94	1st
7-49.3	1st	7-62	1st	7-95	1st
7-49.4	1st	7-63	1st	7-96	1st
7-49.5	1st	7-64	1st	7-97	1st
7-49.6	1st	7-65	1st	7-98	1st
7-49.7	1st	7-66	2nd*	7-99	1st
7-49.8	1st	7-67	14th*	7-100	1st
7-49.9	1st	7-68	14th*	7-101	1st
7-49.10	1st	7-69	15th*	7-102	4th
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7-49.12	1st	7-70.1	2nd*	7-104	4th
7-49.13	1st	7-71	5th*	7-105	1st
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7-49.18	1st	7-75	2nd	7-110	19th*
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7-49.21	1st	7-78	11th	7-113	6th*
7-49.22	1st	7-79	11th	7-114	4th*
7-49.23	1st	7-80	14th	7-115	1st
7-49.24	1st	7-81	15th	7-116	3rd*
7-49.25	1st	7-82	14th	7-117	1st*
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11th Revised Page 5.1

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7-125	11th	7-156	1st		
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7-129	13th*	7-157	1st		
7-130	13th*	7-158	1st		
7-131	14th*	7-159	1st		
7-132	13th*	7-160	6th		
7-133	14th*	7-161	1st		
7-134	13th*	7-162	1st		
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7-141	11th	7-169	1st		
7-142	11th	7-170	3rd		
7-143	11th				
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8-4	13th*	8-41.3	1st	9-33	Original
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8-5	Original	8-43	81st	9-36	Original
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8-17	2nd	9-7	1st		
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8-18.1	Original	9-9	2nd		
8-19	3rd	9-10	1st		
8-20	3rd	9-11	1st		
8-21	3rd	9-12	Original		
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8-25	4th	9-17	Original		
8-26	Original	9-18	Original		
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8-29	6th	9-21	Original		
8-30	5th	9-22	3rd*		
8-31	Original	9-23	2nd*		
8-32	2nd	9-24	1st*		
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8-34	4th*	9-26	1st		
8-35	Original	9-27	Original		
8-36	Original	9-28	2nd*		
8-37	4th	9-29	2nd*		
8-38	2nd*				
8-39	Original				
8-40	4th				

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10-4	2nd	12-1	Original	17-9	Original
10-5	1st	12-2	1st	17-10	Original
10-6	1st	12-3	2nd	17-11	Original
10-7	3rd*	12-4	1st	17-12	Original
10-8	1st	12-5	1st	17-13	Original
10-9	1st	12-6	1st	17-14	Original
10-10	2nd	12-7	1st	17-15	Original
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10-12	2nd	12-9	1st	17-17	Original
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10-25	1st	12-14	Original	17-30	1st
10-26	1st	12-15	1st	17-31	Original
10-27	1st	12-16	1st	17-32	Original
10-28	1st	12-17	1st	17-33	1st
10-29	1st	12-18	1st	17-34	Original
10-30	1st	12-19	Original	17-35	1st
10-31	1st	13-1	Original	17-35.1	Original
10-32	1st	14-1	Original	17-36	Original
10-33	1st	14-2	Original	17-37	Original
10-34	1st	14-3	1st	17-38	Original
10-35	1st	14-4	1st	17-39	Original
10-36	1st	14-5	Original	17-40	Original
10-37	1st	14-6	Original	17-41	1st
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10-40	1st	16-2	2nd	17-44	Original
10-41	1st	16-3	3rd	17-45	Original
10-42	1st	16-4	2nd	17-46	Original
10-43	1st	16-5	2nd	17-47	Original
10-44	1st	17-1	7th*	17-48	Original
10-45	1st	17-1.1	1st*	17-49	1st
10-46	1st	17-2	Original	17-50	Original
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17-58	3rd	18-19.3	2nd	18-63	1st
17-59	3rd	18-20	8th	18-64	1st
17-60	3rd	18-21	8th	18-65	1st
17-61	3rd	18-22	9th	18-66	1st
17-62	3rd	18-23	8th	18-67	1st
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17-66	3rd	18-27	9th	18-71	1st
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17-69	3rd	18-30	1st	18-74	1st
17-70	3rd	18-31	1st	18-75	1st
17-71	3rd	18-32	1st	18-76	1st
17-72	3rd	18-33	1st	18-77	1st
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17-74	Original	18-35	1st	18-79	1st
17-75	Original	18-36	1st	18-80	1st
17-76	Original	18-37	1st	18-81	1st
17-77	Original	18-38	1st	18-82	1st
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17-83	3rd	18-44	1st	18-88	1st
17-84	3rd	18-45	1st	18-89	1st
17-85	3rd	18-46	1st	18-90	1st
18-1	3rd	18-47	1st	18-91	1st
18-2	Original	18-48	1st	18-92	1st
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18-6	2nd	18-52	1st	18-96	1st
18-7	2nd	18-53	1st	18-97	1st
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18-9	2nd	18-55	1st	18-99	1st
18-10	2nd			18-100	1st
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20-335	1st	22-3	6th*	22-39	1st
20-336	1st	22-4	5th*	22-40	1st
20-337	5th	22-5	3rd*	22-41	1st
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20-338	5th	22-6.1	1st	22-43	2nd
20-338.1	Original	22-7	4th*	22-44	3rd
20-339	5th	22-8	3rd	22-44.1	1st
20-339.1	Original	22-9	3rd	22-45	2nd
20-340	5th	22-10	4th*	22-46	2nd
20-340.1	Original	22-11	6th*	22-47	2nd
20-341	5th	22-12	4th*	22-48	1st
20-341.1	Original	22-13	4th*	22-49	2nd
20-342	5th	22-14	4th*	22-50	3rd
20-342.1	Original	22-15	3rd	22-51	2nd
20-343	6th	22-16	1st	22-52	1st
20-343.1	Original	22-17	2nd	22-53	2nd
20-344	6th	22-18	3rd	22-54	2nd
20-344.1	Original	22-18.1	1st	22-55	2nd
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		22-20	4th*	22-57	2nd
21-1	5th	22-21	3rd*	22-58	1st
21-2	2nd	22-22	3rd*	22-59	3rd
21-3	3rd	22-23	2nd	22-60	3rd
21-4	5th*	22-24	2nd	22-61	1st
21-5	6th*	22-25	1st		
21-6	3rd*	22-26	1st	23-1	1st
21-7	2nd	22-27	1st	23-2	1st
21-8	3rd	22-28	1st	23-3	1st
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21-11	2nd	22-28.3	1st	23-6	Original
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		22-30	4th		
		22-31	2nd		
		22-32	3rd*		
		22-33	2nd		
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		22-34	2nd		
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ACCESS SERVICE**REFERENCE TO OTHER TARIFFS**

Whenever reference is made in this tariff to other tariffs, the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

The following tariff is referenced in this tariff and may be obtained from the National Exchange Carrier Association in electronic format on the internet at neca.org.

(D)

National Exchange Carrier Association, Inc. (NECA)

Tariff F.C.C. No. 4

REFERENCE TO OTHER PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Telcordia Technologies, Customer Service, One Telcordia Drive, RRC 1B-180, Piscataway, NJ 08854-4156, (866)672-6997, or on the Internet at www.telcordia.com.

Compatibility Bulletin 106, Issue 2

Issued: January 1998

Technical Reference:

GR-54-CORE, Issue 1

Issued: December 1995

GR-253-CORE, Issue 4

Issued: December 2005

(D)

GR-320-CORE, Issue 1

Issued: August 2003

GR-334-CORE, Issue 1

Issued: July 1994

GR-337-CORE, Issue 1

Issued: December 1995

GR-338-CORE, Issue 1

Issued: December 1995

GR-342-CORE, Issue 1

Issued: December 1995

GR-487-CORE, Issue 3

Issued: April 2009

GR-905-CORE, Issue 11

Issued: December 2008

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GR-1089-CORE, Issue 4

GR-1312-CORE, Issue 3

GR-1374-CORE, Issue 1

GR-1400-CORE, Issue 3

GR-1YOD-CORE, Issue 1

GR-2918-CORE, Issue 6

GR-2979-CORE, Issue 5

Issued: June 2006

Issued: April 1999

Issued: December 1994

Issued: July 2006

Issued: January 1998

Issued: January 2003

Issued: March 2005

PUB 62310

SR-3580, Issue 3

ST-TEC-000053, Issue 1

Telecommunications Transmission Engineering Volume
3 - Networks and Services (Chapters 6 and 7)

TR-NPL-000336, Issue 1

TR-NPL-000339

TR-NPL-000340

TR-NWT-000335, Issue 3

TR-NWT-000341, Issue 2

Issued: September 1983

Issued: June 2007

Issued: August 1989

Issued: October 1987

Issued: October 1987

Issued: October 1986

Issued: May 1993

Issued: February 1993

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from Telcordia Routing Administration, 8 Corporate Place PYA 3N-141, Piscataway, NJ 08854-4156, 1(866) 672-4156.

Technical Reference:

The Local Exchange Routing Guide (LERG), Issued: April, 2007, and as issued from time to time

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol Street, N.E., Washington, DC 20401.

Telecommunications Service Priority (TSP) System for National
Security Emergency Preparedness (NSEP) Service Vendor Handbook,
National Communications Systems (NCS) H 3-1-2
Issued: December 2000

Telecommunications Service Priority (TSP) System for National
Security Emergency Preparedness (NSEP) Service User Manual,
National Communications System (NCS) M 3-1-1
Issued: May 2000

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association on the Internet at neca.org.

(D)

PUB AS No. 1, Issue II
Issued: May 1984

The following publications are referenced in this tariff and may be obtained from the International Telecommunications Union (ITU), Place des Nations, CH-1211, Geneva 20, Switzerland or on the internet at [www.itu.int.net](http://www.itu.int/net).

ITU-T G.692
ITU-T G.959.1

Issued: October 1998, Amendment 1 January 2005
Issued: December 2003

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street, NW, Suite 500, Washington, DC 20005 or on the Internet at www.atis.org.

Multiple Exchange Carrier Access Billing Guidelines (MECAB)

ATIS/OBF-MECAB 009, Issue 9

Issued: January 2007

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)

ATIS-0404120-0007, Issue 7

Issued: April 2009

(D)

(D)

ACCESS SERVICE

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Lifeline Assistance, Universal Service Fund, Switched Access, Special Access Services, Expanded Interconnection Service, that in each case are subject to Section 203 of the Communications Act (the "Act"), and (C) other miscellaneous services, hereinafter referred to collectively as service(s), provided by the Issuing Carriers of this tariff, hereinafter referred to (individually and collectively, as applicable) as the Telephone Company, to customers. (C)

The Special Access Service regulations, rates and charges located in this tariff are for Non-Competitive End User Circuit Terminations (and associated optional features and functions).¹ In some instances, this tariff refers to Special Access Services in general terms, including references to competitive Special Access Services such as transport and circuit terminations other than Non-Competitive End User Circuit Terminations that are provided outside this tariff. Any references to Special Access Services provided outside of this tariff are solely to assist in understanding the manner in which the Telephone Company offers such services in connection with tariffed services and shall not be construed to mean that such services are offered under this tariff or are subject to Section 203 of the Act. (N)

- 1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.

- 1.3 References in this tariff to a Special Construction Tariff refers to the following tariff as effective in its respective territories:

TARIFF F.C.C. NO. 21

for Verizon North LLC and Verizon South Inc.

¹ Special Access Services not subject to Section 203 of the Act, including services detariffed in compliance with FCC Orders 17-43 (released April 28, 2017) and 19-66 (released July 12, 2019), are provided outside this tariff and are governed by agreements, contracts and other documents including the Business Data Services Product Guide and associated terms that are available at verizon.com/productguides or other designated location. (N)

Effective: December 17, 2019

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2. General Regulations

For Special Access Services, only Non-Competitive End-User Circuit Terminations (and associated optional features and functions) are included in this tariff. General Terms and Conditions for the other Special Access Service components needed to complete a circuit are available as described in Section 1.1 preceding.

(N)
|
(N)

2.1 Undertaking of the Telephone Company

2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.
- (E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

2.1.2 Limitations

- (A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:
 - (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.8 Refusal and Discontinuance of Service

(A) Unless the provisions of 2.2.1(B) or 2.5.1 following apply, if a customer fails to comply with the regulations set forth in: 2.1.6, Maintenance of Service; 2.2.2, Unlawful Use; 2.3.1, Damages; 2.3.4, Availability for Testing; 2.3.5, Balance; and 2.4, Payment Arrangements and Credit Allowances or, if applicable, 2.5.3, 2.5.4, 17.3.4 and 17.7.6(D), Expanded Interconnection Service (EIS) or fails to make any payment to be made by the customer on the dates and times herein specified, the Telephone Company may, on thirty (30) days written notice: (T)

(1) Refuse additional applications for service and/or refuse to complete any pending orders for service by the non-complying customer; and/or

(2) Discontinue the provision of the services to the noncomplying customer. In the case of such discontinuance, all applicable charges including termination charges shall become due.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) days' notice given pursuant to (1) above, or does not discontinue its provision of services involved on the date specified in the thirty (30) day notice given pursuant to (2) above and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service to the non-complying customer without further notice. (T)

(3) In addition to and not in limitation of the provisions of section 2.1.8(A) preceding, unless the provisions of 2.2.1(B) or 2.5.1 following apply, if a customer fails to comply with 2.4.1(B)(3) or with 2.4.1(A) following, including any bill payments to be made by it on the dates and times herein specified, the Telephone Company may take the actions specified in sections 2.1.8(A)(1) and 2.8.1(A)(2) with regard to services provided hereunder to that customer on fifteen (15) calendar days written notice, such notice period to start the day after the notice is sent by Overnight Delivery, if the customer has not complied with respect to amounts due in a subject bill and either:

(a) the Telephone Company has sent the subject bill to the customer within seven (7) business days from the bill date, or

(b) the Telephone Company has sent the subject bill to the customer more than thirty (30) calendar days before the notice under this section is given.

In all other cases, the Telephone Company will give thirty (30) calendar days written notice pursuant to sections 2.1.8(A). The Telephone Company will maintain records sufficient to validate the date upon which a bill was sent to a customer. Action will not be taken as specified in 2.1.8(A)(1) and 2.8.1(A)(2) with regard to the subject bill if the customer cures the noncompliance prior to the expiration of the fifteen (15) or thirty (30) days' notice period, as applicable. (T)

If the Telephone Company does not refuse additional applications for service on the date specified in the fifteen (15) days' notice given pursuant to (3) above, or does not discontinue its provision of services involved on the date specified in the fifteen (15) day notice given pursuant to (3) above and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service to the non-complying customer without further notice. (T)

(4) The Provisions of section 2.1.8(A)(1), (2), and (3) shall not apply to charges that a customer does not pay based on submission of a good faith dispute pursuant to section 2.4.1(D)(1). (T)

Certain material previously found on this page can now be found on Original Page 2-104.

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2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.9 Limitation of Use of Metallic Facilities

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference PUB AS No. 1, Issue II*.

2.1.10 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and switch replacements or retirements. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service-affecting activities. (C) (D)

2.1.11 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.1.12 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer 6 months' notice, of the effective date and an explanation of the reason(s) for such change(s). (T)

* PUB AS No. 1, Issue II, replaces AS No. 1 in its entirety.

Certain material previously found on this page can now be found on Original Page 2-104.

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(B) Payment of Rates and Charges (Cont'd)

(3) (Cont'd)

provided herein, and are payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Martin Luther King Jr. Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day, and the day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows: (C)

If such payment date falls on Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday. (C)

(C) Late Payment Penalty

If the entire amount billed is not received by the Telephone Company in immediately available funds by the payment date, a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the portion of the payment not received by the payment due date times a late factor. The late factor shall be 0.0005 per day for the number of days from the payment due date to and including the date that the customer actually makes the payment to the Telephone Company

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Multiple Company Billing (Cont'd)

(2) (Cont'd)

- (b) The airline distance in miles developed in (a) will be multiplied by the Tandem-Switched Transport Facility rate times the number of access minutes of use times the billing percentage to determine the appropriate Local Transport charges. The billing percentage is that portion of local transport to be billed by each company and is mutually agreed upon by the Telephone Companies involved in providing Access Services to the customer. Billing percentages are listed in National Exchange Carrier Association Tariff FCC No. 4.

- (c) The total Local Transport charge shall be the Tandem-Switched Transport Facility charge as determined in (b) plus the Tandem-Switched Transport Termination rate times the number of access minutes of use times the number of terminations.

Where the Tandem-Switched Transport-Facility is provided by more than one telephone company, the Tandem-Switched Transport-Termination rate applies for the termination at the Telephone Company end of the Tandem-Switched Transport (i.e., the first point of switching or the end office serving the end user). The Switched Transport Termination rate will not apply when the Telephone Company is the intermediate provider of the Switched Transport Facility.

- (d) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable. The Nonrecurring Charges for Switched Access, as set forth in 6.5.4, apply in full.

(3) For Switched Access Direct-Trunked Transport, the Telephone Company will determine the applicable charges as follows:

- (a) Determine the distance in airline miles using the V&H method set forth in National Exchange Carrier Association Tariff No. 4 between the locations involved; i.e., the serving wire center associated with a customer designated premise and an end office, or a Telephone Company hub, or two Telephone Company hubs, a hub to an end office, or a hub to a Telephone Company access tandem.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Multiple Company Billing (Cont'd)

(3) (Cont'd)

- (b) The airline distance in miles developed in (a) preceding will be multiplied by the Switched Access Direct-Trunked Transport Mileage rate element times the billing percentage to determine the appropriate charges. The billing percentage is that portion of circuit mileage to be billed by each company involved in providing Access Services to the customer. Billing percentages are listed in National Exchange Carrier Association Tariff FCC No. 4. (D)

(D)
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(D)

- (c) For Switched Access, the total Direct-Trunked Transport charges shall be the Direct-Trunked Transport Mileage charge determined in (b) preceding plus the Direct-Trunked Transport - Fixed charges. The Fixed charge is always applied in full, once per Direct-Trunked Transport facility whether the Telephone Company provides one, or more than one, facility termination(s). The Fixed charge does not apply when the Telephone Company provides an intermediate portion of a Direct-Trunked Transport facility and no terminations. (T)

- (d) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable. (T)
(D)

- (4) The Interconnection Charge for Switched Transport shall be billed by the Telephone Company in whose territory the end office is located.

ACCESS SERVICE**2. General Regulations (Cont'd)****2.5 Connections****2.5.1 General**

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched Access and Special Access Non-Competitive End User Circuit Terminations furnished by the Telephone Company where such connection or interconnection is made in accordance with the provisions specified in Technical Reference PUB AS No. 1, Issue II, and in Section 2.1 preceding. (C)

2.5.2 Standard Access Service Connections

Access services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof. Special Access service connections are made directly, through a Telephone Company hub where bridging or multiplexing functions are performed. These connections can either be analog or digital.

2.5.3 Expanded Interconnection Service (EIS) - Fiber Optic

Fiber Optic EIS provides a customer with space and associated requirements such as power and environmental conditioning within or near a Telephone Company wire center or Telephone Company access tandem to locate certain fiber optic facilities and equipment, and an interconnection with certain Telephone Company provided facilities.

EIS will be provided subject to the regulations and rates and charges set forth in Section 17.

2.5.4 Expanded Interconnection Service (EIS) - Microwave

Microwave EIS provides a customer with space and associated requirements such as power and environmental conditioning within a Telephone Company wire center or Telephone Company access tandem to locate certain microwave facilities and equipment, and a connection to certain Telephone Company provided facilities.

Customer-provided microwave facilities, equipment and support structures may be located in, on or above the exterior walls and roof of Telephone Company wire center or Telephone Company access tandem. Such interconnection must be made in accordance with the provisions specified in 2.1. These interconnections will be provided subject to the regulations and rates and charges set forth in Section 17.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Message

The term "Message" denotes a "call" as defined preceding.

Milliwatt (102 Type) Test Line

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Telephone Company end office.

Mobile Telephone Switching Office (MTSO)

The term "Mobile Telephone Switching Office (MTSO)" denotes a Cellular Mobile Carrier (CMC) Switching System that is used to originate or terminate calls on the CMC network, or originate or terminate calls between the CMC and the public switched telephone network.

Network Control Signaling

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

Node

The term "Node" denotes a SONET ring service element that designates either a customer designated location or a Telephone Company wire center location on the SONET ring. It also denotes the location/address of where a channelized service originates or terminates on a ring.

Non-Competitive County

The term "Non-Competitive County" denotes the geographic unit of a county or county-equivalent that failed a competitive market test specified by the FCC (excluding those that were granted Phase II, Level 2 pricing flexibility prior to June 1, 2017. (D)

Non-Competitive End User Circuit Termination

The term "Non-Competitive End User Circuit Termination" denotes a Special Access circuit termination at an end user customer designated location served by a wire center in a Non-Competitive County as listed in Section 21.3 following. (N)
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(N)

ACCESS SERVICE

2. General Regulations (Cont'd)
 2.7 Service Level Agreements (Cont'd)
 2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruption(A) General

A service is interrupted when it becomes unusable to the customer because of failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in 6.4(A) following. An interruption period starts when an inoperative service is reported by the customer to the Telephone Company and ends when the service is operative. The customer is responsible for sectionalizing trouble to the Telephone Company facilities and/or equipment as set forth in 2.3.10 preceding.

When a Special Access service is provided entirely or in part under this tariff and a service interruption credit applies, only a single credit allowance will be issued, per interruption, for such a service (thus, the customer will not receive a credit allowance under this tariff if the customer receives a credit allowance outside of this tariff for the same service interruption).

(N)
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(N)

Subject to Section 2.7.4(B) following, in case of an interruption to any service, credit allowance for the period of interruption shall be calculated as set forth in this Section 2.7.1.1.

The credit allowance for an interruption or for a series of interruptions shall not exceed the monthly rate and minimum monthly usage charge for the service interrupted in any one monthly billing period.

For purposes of this section of the tariff, "major fraction" is defined as that time period representing one-half or more of the incremental time period used to apply the credit allowance for those specific services listed in (B) following.

Service interruptions for Specialized Service or Arrangements provided under the provisions of 12 following shall be administered in the same manner as those set forth in this Section 2.7.1.1 unless other regulations are specified with the individual case filing.

- (1) An out of service credit will apply for the following Optical Networking rate elements, where applicable, should the service be interrupted due to the Telephone Company's system's failure to switch to protected electronics and/or facilities within one (1) second in those locations connected to the Telephone Company surveillance system unless such interruptions are a result of conditions outside the Telephone Company's control:

- Shared Ring Connect
- Ring Connect
- LAN-wide Premium Transport
- Ring-per-mile Transport
- ON-net Banded Optical Transport provisioned via a ring topology
- Custom Connect configured via a Ring topology.

- (2) Credit will be predicated on information provided by the Telephone Company's and the customer's network surveillance systems associated with this service arrangement. The Telephone Company and the customer shall each have the opportunity to perform an annual inspection of the other party's network surveillance system to confirm its accuracy. The out-of-service credit will be calculated based on the monthly rate element charges of that portion of the inter-office network rendered inoperative. A maximum limit of one month recurring charge per rate element will be allotted for a interruption or series of interruptions within any one billing period.

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ACCESS SERVICE

- 2. General Regulations (Cont'd)
- 2.7 Service Level Agreements (Cont'd)
- 2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)
- 2.7.1.1 Credit Allowance for Service Interruption (Cont'd)
- (A) General (Cont'd)

(D)

(D)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruption (Cont'd)

(A) General (Cont'd)

(D)

(D)

(3) For IntelliLight® Entrance Facilities, any single service outage of one (1) hour or more and due solely to a Telephone Company facility failure will result in a credit of one hundred percent (100%) of the monthly rate for the applicable IEF rate elements affected. Only one such credit is allowed in a single month's billing period. (T)

(4) The credit allowance for all other Optical Networking access services will be as shown in 2.7.1.1(B). (T)

(B) Special Access Services

(1) For Non-Competitive End User Circuit Terminations and for Switched Access Entrance Facilities, Direct-Trunked Transport and Multiplexing services, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues. (C)

(D)

(D)

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ACCESS SERVICE

- 2. General Regulations (Cont'd)
- 2.7 Service Level Agreements (Cont'd)
- 2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)
- 2.7.1.1 Credit Allowance for Service Interruption (Cont'd)
- (B) Special Access Services (Cont'd)

(D)

(D)

- (2) For certain Digital Data Access, DA1-4; and High Capacity, HC1 Non-Competitive End User Circuit Terminations, any period during which the error performance is below that specified for the service will be considered as an interruption. (C)

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- 2. General Regulations (Cont'd)
- 2.7 Service Level Agreements (Cont'd)
- 2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)
- 2.7.1.1 Credit Allowance for Service Interruption (Cont'd)
- (B) Special Access Services (Cont'd)

(D)

(D)

ACCESS SERVICE

2. General Regulations (Cont'd)2.7 Service Level Agreements (Cont'd)2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)2.7.1.1 Credit Allowance for Service Interruption (Cont'd)(B) Special Access Services (Cont'd)

- (3) For certain Special Access services, a Special Access Service Guarantee (SASG) credit allowance will apply in the event that such services experience a service interruption of four (4) or more consecutive hours except as specified in 2.7.4(B) following. The SASG credit allowance will apply to Voice Grade, Digital Data Service (DDS), and High Capacity DS1 & DS3 Special Access services (collectively, Special Access Services). (T)

(D)

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(D)

If a Special Access Service is eligible for an SASG credit allowance, the Telephone Company shall provide the applicable credit amount as set forth in the table following. The Telephone Company shall bill customer the applicable monthly rate for the Special Access Service, and if customer is eligible to receive the SASG credit allowance, customer shall receive the SASG credit in a later invoice. Except as stated in this tariff, the SASG credit allowance is in addition to any other credit allowances available under this Section 2.7.1.1. The maximum amount of all credit allowances available under this Section 2.7.1.1 for a Special Access Service for a given billing period shall not exceed the total applicable monthly charge paid by the customer for such Special Access Service. The monthly charge will consist of all applicable rate elements charged to the circuit experiencing the service interruption. The SASG credit allowance can only be applied once per month on a per circuit basis, whether the circuit is provided entirely or in part under this tariff. For multi-point circuits, the SASG credit allowance will apply to each leg of the circuit that experiences a service interruption. (T) (C)

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruption (Cont'd)

(B) Special Access Services (Cont'd)

(3) (Cont'd)

(T)

The SASG credit allowance for each applicable service is listed below and applies to all states:

<u>Service</u>	<u>SASG (per circuit)</u>
Voice Grade	20.00
Digital Data Service (DDS)	
2.4 kbps	40.00
4.8 kbps	45.00
9.6 kbps	50.00
19.2 kbps	55.00
56.0 kbps	60.00
64.0 kbps	65.00
High Capacity	
DS1	160.00
DS3	400.00

(D)

ACCESS SERVICE

2. General Regulations (Cont'd)2.9 Technology Migration (Cont'd)2.9.1 Service Under a DS1 Term Payment Plan[#]

(T)

(A) Effect on DS1 TPP Circuit Termination Count

In the first annual true-up following a Technology Migration and in all subsequent annual true-ups until the expiration of the current term commitment, the Telephone Company will include, for each Hi-Cap Disconnect that was replaced by a Replacing Service on or after December 2, 2010, the number of DS1 circuit terminations for the Hi-Cap Disconnect in the calculation that measures compliance with the customer's commitment of TPP DS1 circuit terminations (as determined in the annual true-up) as if such Hi-Cap Disconnect had never occurred. Only those services that satisfy all of the requirements set forth in Section 2.9.4 following will be included in this calculation. The annual true-up process for the DS1 TPP is described in Section 7.2.1(G)(6) following.

Upon renewal of the customer's DS1 TPP, the DS1 circuit terminations of each Technology Migration that occurred during the expiring term commitment will not be included in the annual true-up calculations of the renewal term. However, for each Hi-Cap Disconnect that is replaced by a Replacing Service during the renewal term, the Telephone Company will include the number of DS1 circuit terminations for such Technology Migration in the annual true-up calculations in the same manner that such DS1 circuit terminations were included in the expiring term commitment.

(B) The customer remains responsible for satisfying any Minimum Period obligations on the service(s) being disconnected.

2.9.2 Service Under a DS3 Minimum Service Period

Liability under Section 7.2.6(E) following will not apply to the service(s) being disconnected if all of the requirements in Section 2.9.4 following are satisfied.

[#] Subject to Section 1.1 preceding, the Telephone Company manages a TPP as a single plan, and an annual true-up includes all of the TPP services included in that TPP.

(N)
(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.9 Technology Migration (Cont'd)

2.9.3 Service Under a National Discount Plan#

(T)

(A) Effect on NDP Annual True-Up

In the first Annual True-Up following a Technology Migration and in all subsequent Annual True-Ups until the expiration of the current term commitment, the Telephone Company will include, for each service that was replaced by a Replacing Service on or after December 2, 2010, the number of equivalent DS1 CTs and the number of equivalent DS1 CMs for each Hi-Cap Disconnect in the calculation of the average number of equivalent DS1 CTs and equivalent DS1 CMs which were actually in service over the preceding twelve (12) months as if such Hi-Cap Disconnect had never occurred.

Upon renewal of the customer's NDP, the number of equivalent DS1 CTs and the number of equivalent DS1 CMs of each Technology Migration that occurred during the expiring term commitment will not be included in the Annual True-Up calculations of the renewal term. However, for each Hi-Cap Disconnect that is replaced by a Replacing Service during the renewal term, the Telephone Company will include the number of equivalent DS1 CTs and the number of equivalent DS1 CMs for such Technology Migration in the Annual True-Up calculations in the same manner that such equivalent DS1 CTs and equivalent DS1 CMs were included in the expiring term commitment.

Only those services that satisfy all of the requirements set forth in Section 2.9.4 following will be included in this calculation. The Annual True-Up process for an NDP is described in Section 22.1.7 following.

(B) The customer remains responsible for satisfying any Minimum Period obligations on the service(s) being disconnected.

Subject to Section 1.1 preceding, the Telephone Company manages a National Discount Plan as a single plan, and the Annual True-Up includes all of the National Discount Plan services included in that National Discount Plan.

(N)

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(N)

ACCESS SERVICE

2. General Regulations (Cont'd)2.9 Technology Migration (Cont'd)2.9.4 Requirements For a Technology Migration (Cont'd)

(C) Revenue Test Requirements (Cont'd)

(2) Overall Value/Revenue Test

The Overall Value/Revenue Test requires the overall value of the Replacing Service(s) be equal to or greater than the overall value of the remaining months of the current term commitment of the Hi-Cap Disconnect(s). The overall value of the Replacing Service(s) is calculated by multiplying the MRCs for the Replacing Service(s), counting only those discounted rate elements included in the term plan for the Replacing Service(s), by the number of months in the term commitment. The overall value of the Hi-Cap Disconnect(s) is calculated by multiplying the MRCs currently in effect for the Hi-Cap Disconnect(s), counting only those discounted rate elements included in the term plan for the service(s) being disconnected, by the total remaining months in the current term commitment.

For example, using the same assumptions in the example for the MRC revenue test in (1) preceding, further assume the customer disconnects the DS1 High Capacity Service in month thirty-six (36) of the 5 year commitment period (twenty-four (24) months remaining in the commitment period of the DS1 TPP for the Hi-Cap DS1 Disconnect).

Based on the above, the overall value of the Hi-Cap DS1 Disconnect is \$5,303.52 (\$220.98 x 24 months remaining) and the overall value of the 100 Mbps Replacing Service is \$54,000 (\$900.00 x 60 months). Since the overall value of the 100 Mbps Replacing Service is greater than the overall value of the Hi-Cap DS1 Disconnect, the customer shall have satisfied this requirement.

(D) Terminating Location Requirements

Terminating locations include End User locations, Interexchange Carrier locations, and physical or virtual EIS locations pursuant to Section 17 following.

(1) One Hi-Cap Disconnect Replaced by One Replacing Service

The terminating location(s) of the Replacing Service must satisfy one of the following requirements:

- (a) For service provided between two End User locations, at least one of the locations of the Replacing Service must be the same as one of the locations of the Hi-Cap Disconnect; or (D)
- (b) For service provided between an Interexchange Carrier location or a physical or virtual EIS location and an End User location, one of the locations of the Replacing Service must be the same as the End User location of the Hi-Cap Disconnect; or
- (c) For a multiplexed facility provided between an Interexchange Carrier location, a physical or virtual EIS location, or an End User location and a Telephone Company Hub where multiplexing functions are performed, one of the locations of the Replacing Service must be the same as the Interexchange Carrier location, physical or virtual EIS location, or End User location, respectively, of the Hi-Cap Disconnect.

ACCESS SERVICE

2. General Regulations (Cont'd)2.9 Technology Migration (Cont'd)2.9.4 Requirements For a Technology Migration (Cont'd)

(D) Terminating Location Requirements (Cont'd)

(2) Multiple Hi-Cap Disconnects Replaced by One or More Replacing Services

When multiple Hi-Cap Disconnects are replaced by one or more Replacing Service(s), at least one of the locations for each of the Replacing Service(s) must be the same location as each of the End User locations of each of the Hi-Cap Disconnects, except where the locations involved are two (2) End User locations in which case at least one of the locations for each of the Replacing Service must be the same as one of the End User locations of each of the Hi-Cap Disconnects.

(D)
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 (D)

Example where both locations are End User locations: The customer has a DS1 High Capacity Service between locations A and B and a DS1 High Capacity Service between locations C and D. The two Replacing Services are between locations B and E and between locations D and F. Since each DS1 High Capacity Service has one location in common with its Replacing Service, this requirement is satisfied.

Example where all locations are End User locations: The customer has three (3) DS1 High Capacity Services between locations A and B, C and D, and E and F. The two Replacing Services are between locations B and X and between locations D and Y. Since the Replacing Services do not have a common location with the DS1 High Capacity Service between locations E and F, this requirement is not satisfied. However, if the customer qualifies for a one-for-one replacement under (D)(1) preceding, this requirement would be satisfied for two of the DS1 High Capacity Services. The DS1 High Capacity Service between locations E and F, for which no common location exists, would not meet the requirements for a Technology Migration.

(E) Timing Requirements

The order for each Hi-Cap Disconnect must be completed within three (3) months of the date that the Replacing Service(s) is installed. Failure to disconnect each Hi-Cap Disconnect within three (3) months will result in the customer not satisfying this requirement.

(F) Notification Requirements

Within ten (10) business days of the date the Replacing Service(s) is ordered, the customer must provide the Telephone Company with the all of following:

- (1) the circuit identification number(s) of the each Hi-Cap Disconnect; and
- (2) the circuit identification number(s) of the Replacing Service(s); and
- (3) the terminating locations of the services involved (including both the Replacing Service(s) and the Hi-Cap Disconnect(s)).

Failure to provide such information within the stated timeframe will result in the customer not satisfying this requirement.

ACCESS SERVICE

2. General Regulations (Cont'd)2.10 Customer Notices

When the Telephone Company is required to notify a customer under this tariff, the Telephone Company will provide notice by appropriate method that the Telephone Company, in its sole discretion, determines to be appropriate for the circumstances, including, by way of example: (i) posting the notice on a Telephone Company website, (ii) by bill insert or bill message, (iii) by letter or postcard via U.S. Postal Service, or by overnight delivery, to the customer's billing address or other address available in the Telephone Company's records, (iv) by a call to the customer's billed telephone number, (v) by an email to a customer email address specified by the customer or otherwise available in the Telephone Company's records, or (vi) electronic communication via a Telephone Company ordering system interface. Although the Telephone Company under certain circumstances may provide notice of a particular subject matter via more than one of the foregoing methods, such multiple notices are not required at any time, and a single notice via a single method is sufficient. If applicable law requires a particular method of notice, the Telephone Company shall use the method required by applicable law. All notices provided in accordance with this section shall be effective and binding.

(C)(x)

(C)(x)

(x) Certain material on this page formerly appeared on 5th Revised Page 2-7 and 2nd Revised Page 2-9.

(This page filed under Transmittal No. 1400.)

ACCESS SERVICE**5. Ordering Switched and Special Access Service**

This tariff contains ordering options for Switched Access Service and Special Access Service Non-Competitive End User Circuit Terminations (and associated optional features and functions). Ordering options for the other Special Access Service components needed to complete the circuit are available as described in Section 1.1 preceding. (N)

This section sets forth the regulations and order related charges for Access Orders for Switched Access and Special Access Non-Competitive End User Circuit Terminations and Expanded Interconnection Services (EIS). These charges are in addition to other applicable charges as set forth in other sections of this tariff. (T) (C)

5.1 Access Service Request Requirements

An ASR is used by the Telephone Company to receive orders for the following types of services requested by the customer:

- Switched Access as in Section 6,
- Special Access as in Section 7, (T)
- Expanded Interconnection Service as in Section 17, and
- Other Services as in other sections of the tariff.

When placing an order for Access Services, the customer must complete a Telephone Company Access Service Request and shall provide the information as required in 5.1.1, 5.1.2, and 5.1.3 following.

5.1.1 General

A customer may order any number of services of the same type and between the same premises on a single Access Service Request. All details for services for a particular order must be identical except for those for multipoint service.

A customer may order access service on behalf of the customer's end user. The customer must provide the Telephone Company all the necessary information as set forth in this section.

The customer shall provide all information necessary for the Telephone Company to provide and bill for the requested service. In addition to the order information required in 5.1.2 and 5.1.3 following, the customer must also provide:

- Customer name and premises address(es)
- Billing name and address (when different from customer name and address).
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)5.3 Access Order Charges5.3.1 Access Service Request Modifications

The customer may request a modification of its Access Service Request at any time prior to notification by the Telephone Company that service is available for the customer's use or prior to the Service Date, whichever occurs first. The Telephone Company will endeavor to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Service Request modification, the Telephone Company will schedule a new service date. All charges for Access Service Request modifications will apply on a per occurrence basis. (C)

Any increase in the number of Non-Competitive End User Circuit Terminations, Switched Access Service Entrance Facility circuits, Direct-Trunked Transport circuits, lines, trunks or busy hour minutes of capacity, or STP Port Terminations and CCS7 Access Service facilities will be treated as a new Access Service Request (for the increased amount only). (C)

If order modifications are necessary to satisfy the transmission performance for a Non-Competitive End User Circuit Termination ordered by a customer, these changes will be made without order modification charges being incurred by the customer. (C)

(A) Service Date Change Charge

- (1) Access Order service dates for the installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than 30 calendar days except as specified following. When, for any reason, a customer or a customer's end user indicates that service cannot be accepted for a period not to exceed 30 calendar days, and the Telephone Company accordingly delays the start of service, a Service Date Change Charge will apply.

If a customer or customer's end user is unable to accept service within 30 calendar days, of the original service date, the customer may elect one of the following:

- (a) the customer may take no action, and the original order will be canceled by the Telephone Company on the 31st day with the appropriate Cancellation Charge as set forth in 5.3.2(C) following applied; or
- (b) the customer may choose to commence billing for the service on the 31st day.

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ACCESS SERVICE**5. Ordering Switched and Special Access Service (Cont'd)****5.3 Access Order Charges (Cont'd)****5.3.1 Access Service Request Modifications (Cont'd)****(A) Service Date Change Charge (Cont'd)**

- (2) If the Telephone company determines it can accommodate the customer's request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original standard or negotiated interval service date.

If the service date is changed to an earlier date, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

- (3) Except as otherwise specified in (A)(1) preceding, a Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed after the Plant Test Date of the ASR. The applicable charge is:

	<u>USOC</u>	<u>CHARGE</u>	
Service Date Change Charge, per order	OMC		
Special Access			
Price Cap		\$150.00	(D)
All Other Services		28.00	

- (4) When a Special Access Service is provided entirely or in part under this tariff, the Service Date Change Charge under this tariff will apply. (N)
(N)

(B) (Reserved for Future Use)

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ACCESS SERVICE**5. Ordering Switched and Special Access Service (Cont'd)****5.3 Access Order Charges (Cont'd)****5.3.1 Access Service Request Modifications (Cont'd)****(C) Design Change Charge**

The customer may request a design change to the service ordered. A design change is any change to an Access Service Request which requires engineering review. An engineering review is a review by the Telephone Company of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the signaling arrangements associated with Switched Access Entrance Facility interface groups. Design changes do not include a change of Switched Access Entrance Facility type, end user premises, end office switch, Feature Group or BSA type or Special Access Service circuit type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Telephone Company will review the requested change to determine if it can be accommodated and if a new service date is required. The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change. When a Special Access Service is provided entirely or in part under this tariff, the Design Change Charge under this tariff will apply. The applicable charge is: (N)

	<u>USOC</u>	<u>Rate</u>	
Design Change Charge, per order	H28		
Special Access			
Price Cap		\$150.00	(D)
All Other Services		28.00	

If a change of service date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.1 Access Service Request Modification (Cont'd)

(D) Special Handling Charge

A Special Handling Charge will apply when a customer requests a service date that is earlier than the Standard Interval service date for the Access Service ordered. A customer may also request an earlier service date on negotiated interval Access orders.

The request for an earlier service date may be received from the customer prior to the issuance of an Access order, or after the Access order has been issued but prior to the service date.

The Telephone Company maintains exclusive right to accept or deny the request to expedite. If, upon reviewing availability of equipment and scheduled work load, the Telephone Company agrees to provide service on an expedited basis and the customer accepts this proposal, a Special Handling Charge will apply.

The nonrecurring Special Handling Charge to be applied to all Switched and Special Access orders processed on an expedited basis is as follows:

	<u>USOC</u>	<u>Charge</u>	
Special Handling Charge, Special Access Service Price Cap	EOD	\$557.00	
All other services, per order		557.00	(D)

The Special Handling Charge will be billed in addition to the normal nonrecurring Access service charge and will be applied on a per order per occurrence basis.

When a Special Access Service is provided entirely or in part under this tariff, the Special Handling Charge under this tariff will apply. (N)
(N)

ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.2 Cancellation of an Access Service Request (Cont'd)

(C) Cancellation Charge

When a customer cancels an Access Service Request prior to the Service Date, the Cancellation Charge specified in (1) through (3) following, shall apply. When a Special Access Service is provided entirely or in part under this tariff, the Cancellation Charges under this tariff will apply. (N)
(N)

(1) When an ASR for Special Access Service Non-Competitive End User Circuit Terminations is canceled on or after the Application Date, the Cancellation Charge is calculated, on a per ASR basis, by multiplying the total nonrecurring charges for the quantity ordered by the number of business days elapsed since the Application Date, and dividing that figure by the number of days in the service interval (i.e., the number of business days between the Application Date and the last day of the service date interval). (C)

(2) When an ASR for Switched Access Service is canceled on or after the Application Date, the Cancellation Charge is calculated, on a per ASR basis, by multiplying the total installation charge for the quantity ordered by the number of business days elapsed since the Application Date, and dividing that figure by the number of days in the service interval (i.e., the number of business days between the Application Date and the last day of the service date interval), and adding the Switched Access Ordering Charge.

For services specified in 3 following: the cancellation charge is the charge shown for the last date passed on the order and will apply when a customer cancels an order or part of an order prior to accepting service. (D)

(D)

(D)

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5. Ordering Switched and Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.2 Cancellation of an Access Service Request (Cont'd)

(D)

(D)

(3) IntelliLight® Entrance Facilities
Cancellation Charges Which Apply After the Order Date

(T)

- per Special Access STS1 IEF Termination
Price Bands 4, 5, and 6 1,000.00
- per Switched Access STS1 IEF Termination \$ 1,000.00

(D) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service Non-Competitive End User Circuit Terminations, (C) Switched Access Service lines, trunks or busy hour minutes of capacity, or STP Port Terminations and CCS7 Access Service facilities, on a pending ASR will be treated as a partial cancellation. The charge will be determined by multiplying the total switched access installation or special access nonrecurring charge for the canceled portion of the order by the number of business days elapsed since the order date and dividing that figure by the number of days in the service interval.

ACCESS SERVICE

5. Ordering Switched and Special Access Service (Cont'd)

5.3 Access Order Charges (Cont'd)

5.3.3 Minimum Period Charges

- (A) When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

For purposes of applying minimum period charges, the disconnect date shall be two business days after the date the Telephone Company receives written notification from the customer or the date the customer requests service be disconnected, whichever is the later date.

- (B) Except as specifically stated in other sections of this tariff, the Minimum Period Charge for monthly billed services will be determined as follows:

For Switched Access Service excluding Entrance Facility and Direct-Trunked Transport elements, the charge for a month or fraction thereof is equal to the sum of the applicable switched access rates times the actual usage for the month as set forth in 6.5.7(B) following.

For Special Access Service Non-Competitive End User Circuit Terminations, Switched Access Entrance Facility, and Direct-Trunked Transport services the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 7.2.3 and 6.6 following.

(D)

(D)

For the Presubscribed Interexchange Carrier Charge, the charge is the applicable monthly rate as set forth in 3.5.

For Optical Networking services, the charge is the applicable monthly rate as set forth in 20.2 following.

For services provided under a National Discount Plan (NDP), the discount percentage specified in Section 22.1 following shall be applied to the applicable monthly rates.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Optional Features (Cont'd)6.3.2 Common Switching Optional Features (Cont'd)(T) Switched Access Interface

This arrangement provides the line switching and supervisory functions necessary to interface Voice Grade Special Access and Switched Access Services together for the provision of customer WATS and WATS-Type service. This service provides a transmission path capable of originating and/or terminating the customer's interstate and combined interstate/intrastate traffic. Combining of intrastate traffic will be provided in accordance with any individual state regulations as outlined in 6.3.2(T)(5).

This arrangement is only available from Telephone Company designated end offices which are identified as WATS Serving Offices (WSO) in NECA Tariff FCC No. 4. Technical limitations resident in certain end office switches may preclude the availability of certain Switched Access Interface features. Depending on the configuration selected below, the Telephone Company will provide such services from the closest WSO that is technically equipped to provide such services. Special Access Transport charges as described in 7.2.1(B) will be applicable to the WATS Serving Office appropriately equipped for the service feature requested.

The Switched Access portion of this arrangement is available from Section 6 of this tariff, except as set forth in (5) following, and provides connectivity from the Telephone Company's WATS Serving Office to the customer's premises. Subject to Section 1.1 preceding, the Special Access portion of this feature is available and provides connectivity from the Telephone Company's WATS Serving Office to the customer's end user. (C)

Switched Access Interface Arrangements are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of signaling is at the option of the customer. Switched Access Interface Arrangements are also available with extensions, i.e., terminations of the service at different buildings within the same or different LATA. All applicable rates for interstate Special Access Service provided by the Telephone Company apply to such extensions. (C)
(C)

Switched Access Interface Service is available in the following configurations/features:

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ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
- 6.3 Optional Features (Cont'd)
- 6.3.2 Common Switching Optional Features (Cont'd)
- (T) Switched Access Interface (Cont'd)
- (5) Intrastate Traffic Restriction (Cont'd)

The terms, conditions, and rates for the interstate Switched Access and Special Access associated with this feature are as set forth in Sections 6 and 7 of this tariff. The terms, conditions, and rates for the intrastate access services are as set forth in the Telephone Company Intrastate Access tariffs.

When the customer orders interstate Special Access from the Telephone Company for the facilities between the end user's premises and the WATS Serving Office for use with Multi-jurisdictional Access as set forth above, and if the Telephone Company intrastate tariff also provides for customer billing for these facilities, the customer will be exempted from the intrastate charge. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.13 Switched Access Cross Connect

The Switched Access Cross Connect charge provides the communications path between Telephone Company provided Switched Access Services and a customer's transmission equipment and facilities where the customer is provided EIS as defined in Section 17. The DS0 Cross Connect arrangement may connect directly to a Telephone Company provided Switched Access Voiceband Direct Trunked Transport. The DS1 Cross Connect arrangement may connect directly to Telephone Company provided Switched Access Services at a DS1 interface, to DS1 Direct Trunked Transport, or to a Telephone Company provided DS1 multiplexing arrangement. The DS3 Cross Connect arrangement may connect directly to DS3 Direct Trunked Transport or a Telephone Company provided DS3 to DS1 multiplexing arrangement. When a DS3 Direct Trunked Transport or Cross Connect arrangement is requested for connection to Switched Access Services, a DS3/DS1 multiplexing arrangement is required. The Cross Connect charge applies per DS1 or DS3 connection. Rates for DS1 and DS3 Cross Connect arrangements are listed in 6.6.14.

Tandem Switch Signaling (TSS)

6.5.14

TSS will be provided via FGD or BSA-D Switched Access, 500 SAC Access, or 900 SAC Access services with either multifrequency (MF) address signaling or SS7 Out of Band Signaling. TSS is available with originating calling only, terminating calling only, or, where available, two-way calling trunks. TSS two-way calling trunks are only available from end offices where the switch technology is capable of measuring the terminating usage on two-way TSS equipped trunks. Where the end office switch technology is not capable of measuring terminating usage on two-way calling TSS equipped trunks, the customer must order originating calling only and/or terminating calling only trunks for use with TSS.

Switched Access connections to the customer's access tandem location(s) shall be via Direct-Trunked Transport, Entrance Facility, and/or a customer's transmission equipment and facilities using DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service as described in Section 17. The Switched Access Entrance Facility provides the facility, including interface arrangement, between the point of termination at the customer designated location and the Telephone Company's serving wire center. Direct-Trunked Transport provides the interoffice facilities dedicated to a single customer between the serving wire center and end offices. TSS is not available via a Telephone Company access tandem. The facilities ordered by the customer for connectivity from the customer's access tandem to an IC's CDL is provided via detariffed Special Access facilities.

- For originating usage the owner of the carrier identification code will be billed for all usage.
- For terminating usage all associated Switched Access charges are the responsibility of the TSS customer. At the TSS customer's request, the Telephone Company will bill each of the TSS customer's users directly for their respective usage, if the TSS customer agrees to furnish the Telephone Company, free of charge, the call detail information necessary to bill its users. This call detail information must be provided daily for the previous day's usage in industry standard format (i.e., 1101-20 Expanded Message Record format with end office level detail). The information must be provided by electronic transmission as specified by the Telephone Company.

(C)

ACCESS SERVICE**7. Special Access Service**

Non-Competitive End-User Circuit Terminations (and associated optional features and functions) and Special Access Cross Connects are the Special Access Services offered under this tariff. Other Special Access Services required to complete a circuit are available as described in Section 1.1 preceding. (N)

7.1 Provision of Special Access Service

Special Access Service provides a dedicated transmission path to connect customer designated premises*, either directly or through a Telephone Company hub, or to connect a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service (EIS) as defined in Section 17. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type Services). Special Access Service includes all exchange access not utilizing Telephone Company central office switches. (D)

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Telephone Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Telephone Company will work cooperatively with the Customer to provide the service on a timely basis.

7.1.1 Circuit Types

There are multiple types of circuits used to provide Special Access Services: (T)

- Voice Grade (VG)
- Digital Data (DA)
- High Capacity (HC)

(D)

These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

* Telephone Company Centrex CO-like switches are considered to be customer premises for purposes of this tariff.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 Provision of Special Access Service (Cont'd)7.1.1 Circuit Types (Cont'd)

Each of the circuits has its own characteristics. All of the circuit types are subdivided by one or more of the following: (D)

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

The circuit descriptions set forth in this section specify the characteristics of the basic circuit and indicates whether the circuit is provided between customer designated premises, or between a customer designated premises and a Telephone Company hub or between a customer designated premises and a Telephone Company WATS Serving Office. (D)

Customers can order a basic circuit and select from a list of available technical specifications packages (customized or predefined), channel interfaces, and optional features to design a circuit which meets the Customer's specific communications needs. For purposes of ordering circuits, each has been identified as a type of Special Access circuit. However, such identification is not intended to limit a customer's use of the circuit, nor to imply that a circuit is limited to a particular use.

The optional features and functions available with each type of basic Non-Competitive End User Circuit Termination are included in the individual service description sections following. The optional features and functions information also indicates with which technical specifications packages they are available. (C)
(C)

When a customized circuit is ordered, the Telephone Company may determine that Additional Engineering is required to meet the customer's request for service. The customer will be notified whether Additional Engineering charges apply and will be given an estimate of the hours to be billed before any further action is taken on the order. Additional engineering charges are determined as set forth in 8.1 following.

ACCESS SERVICE

7. Special Access Services (Cont'd)

7.1 Provision of Special Access Service (Cont'd)

7.1.2 Service Configurations

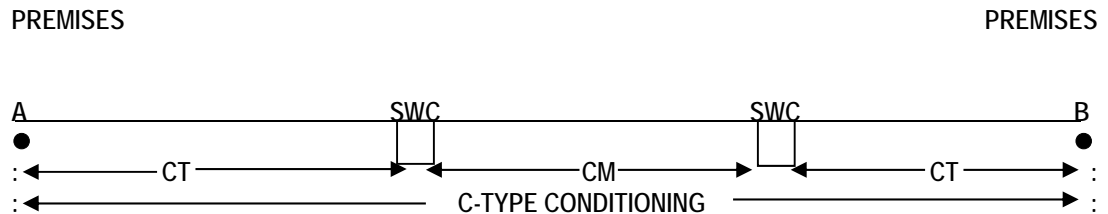
There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub. A Voice Grade Special Access Circuit may be provided as a two-point service connecting an end user premise and a Telephone Company switch when Special Access is used in conjunction with Switched Access as set forth in 6.3.2(T) for Switched Access Interface Arrangements. (D)

All types of Special Access Service may be provided as two-point service.

The following diagram depicts an example of a two-point Voice Grade service connecting two Non-Competitive End User Circuit Terminations located 15 miles apart. The service is provided with the optional feature of C-Type conditioning. (C)



CT - Circuit Termination
CM - Circuit Mileage
SWC - Serving Wire Center

Applicable rate elements under this tariff are:

- Non-Competitive End User Circuit Termination (2 applicable)
- C-Type Conditioning Optional Feature

(T)

(C)

(D)

In addition, a Special Access Surcharge and charges for additional Optional Features and Functions may apply.

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ACCESS SERVICE

7. Special Access Services (Cont'd)

7.1 Provision of Special Access Service (Cont'd)

7.1.2 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company hub (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions for the appropriate circuit.

The circuit between hubs on a multipoint service is a mid-link and is detariffed. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of multi-point facilities. (C)

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.3, will be provided when technically possible.

When ordering, the customer will specify the desired bridging hub(s). National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

(Z)

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ACCESS SERVICE

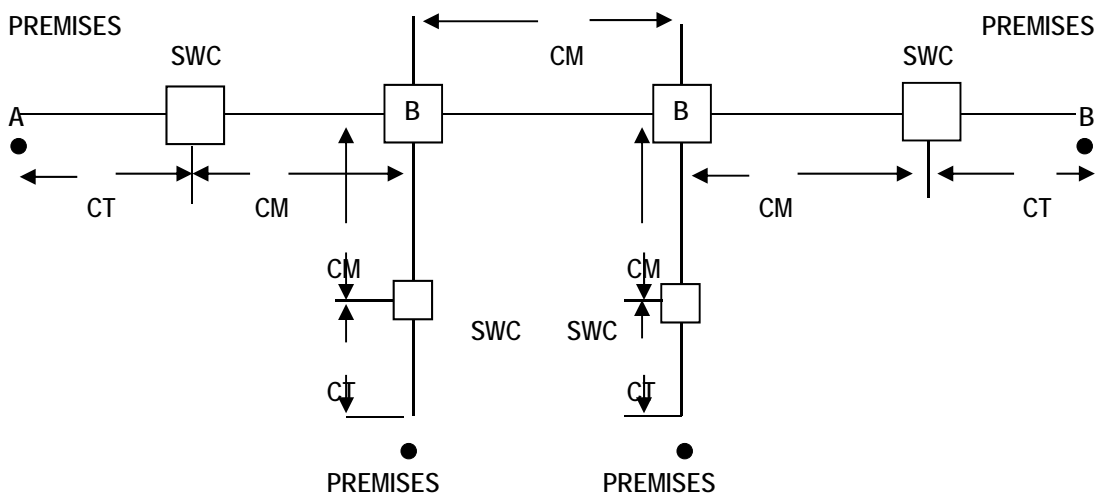
7. Special Access Services (Cont'd)

7.1 Provision of Special Access Service (Cont'd)

7.1.2 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

The following diagram depicts an example of a Voice Grade multipoint service connecting four Non-Competitive End User Circuit Terminations via two customer specified bridging hubs. (C)
(C)



CT - Circuit Termination
CM - Circuit Mileage
B - Bridging
SWC - Serving Wire Center

Applicable rate elements under this tariff are:

- Non-Competitive End User Circuit Termination (4 applicable)

(C)

(C)

(D)

- Bridging Optional Features (6 applicable, i.e., each bridge port)

(D)

In addition, the Special Access Surcharge and charges for other Optional Features and Functions may be applicable. (D)

ACCESS SERVICE

7. Special Access Services (Cont'd)

7.1 Provision of Special Access Service (Cont'd)

7.1.3 Technical Specifications Packages

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is included in each individual service description section in 7.5, 7.10, (T) and 7.11 following, in a matrix format with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service.

The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

Voice Grade	TR-NWT-000335, Issue 3	(D)
		(D)
Digital Data	TR-NWT-000341, Issue 2	(D)
	PUB 62310	
High Capacity	GR-342-CORE, Issue 1	(D)
	GR-54-CORE, Issue 1	(D)

(D)

(D)

|

(D)

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.1 Provision of Special Access Service (Cont'd)****7.1.4 Channel Interfaces**

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 9. following, in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in 7.1.3 preceding. When a customized circuit is requested, all channel interface combinations available with the specified type of service are available with the customized circuit.

7.1.5 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12., Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Non-Competitive End User Circuit Terminations and Optional Features and Functions [if any]). (C)

7.1.6 Special Facilities Routing

A customer may request that the Special Access used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in Section 11. following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications and Regulations

Subject to Section 1.1 preceding, this section contains the specific regulations governing the rates and charges that apply to Special Access offered under this tariff. (C)

7.2.1 Rate Categories

The following rate categories apply to Special Access Service:

- Non-Competitive End User Circuit Terminations (C)
- Circuit Mileage
- Optional Features and Functions
- Non Recurring Charges
- Special Access Surcharge
- Special Access Cross Connect
- Term Payment Plan (TPP) - DS1

These rate categories are described in Sections 7.2.1. (A) through (G) following.

(D)

Non-Competitive Counties are defined in Section 2.6 and the wire centers within such counties are listed in Section 21.3. (D)

(D)

Additionally, rates and charges for Integrated Optical Service Riders may also apply to Special Access connected to Integrated Optical Service Riders as set forth in Section 23.1 following.

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Rate Categories, Applications and Regulations (Cont'd)****7.2.1 Rate Categories (Cont'd)**

The following is a list of the Telephone Company's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

<u>Generic Name</u>	<u>Telephone Company Name</u>	(T)
Bridging	Bridging	
Conditioning	Conditioning	

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(A) Circuit Termination

The Circuit Termination rate category provides for the communications path between an end user customer designated premises and the serving wire center of that premises. Included as part of the Circuit Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Non-Competitive End User Circuit Termination charge applies per end user customer designated premises at which the circuit is terminated. (C) This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building. Connection to Telephone Company provided DS1 or DS3 Circuit Terminations within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 7.2.1(F). Circuit Termination rates for DS3 High Capacity Services vary with the number of services and/or level of capacity as set forth in Section 7.2.6 following.

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7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Circuit Mileage

The Circuit Mileage rate category is detariffed.

(N)

(D)

(D)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D)

(D)

|
(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

Optional Features and Functions may be added to a basic Non-Competitive End User Circuit Termination to improve its quality or utility to meet the customer's specific communications requirements. These optional features and functions are identifiable with specific equipment, and represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for a single rate element. (C)

Descriptions for each of the available Optional Features and functions are set forth in Sections 7.5, 7.10 and 7.11 following. Multiplexing functions are detariffed. (T)
(C)

(D) Nonrecurring Charge

Nonrecurring charges are one-time charges that apply for installation of Special Access Services, installation of optional features and functions, and moves and service rearrangements.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are applied per Circuit Termination.

Two levels of charges apply for the installation of a three or twelve capacity DS3 High Capacity system as set forth in Section 7.2.6 (A) following. A nonrecurring charge applies for the first Non-Competitive End User Circuit Termination ordered by the customer and a separate nonrecurring charge will apply to each additional Non-Competitive End User Circuit Termination to be installed within the same three or twelve capacity system between the same customer locations. (C)
(C)
For individual noncapacity DS3 service, the nonrecurring charge for each installation will apply at the same rate per DS3 Non-Competitive End User Circuit Termination. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Non-Competitive End User Circuit Terminations. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service. (C) (C)

The optional features for which non-recurring charges apply are:

- Voice Grade Data Capability

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service. Certain service rearrangements for Special Access are detariffed. Changes to pending orders are set forth in 5.3.1 preceding. (N) (N)

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 7.2.1(D)(4).

- (a) Administrative changes will be made without charge(s) to the customer.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(3) Service Rearrangements (Cont'd)

(a) (Cont'd)

Administrative changes are as follows:

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is no interruption of use or relocation of Special Access service.
- Change customer's end user premises address when the change of address is not a result of a physical relocation of equipment, (D)
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer's end user contact name or telephone number, (D)
- Change of agency authorization, and
- Change in jurisdiction involving no physical changes to the service.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(3) Service Rearrangements (Cont'd)

(b) All other service rearrangements will be charged for as follows:

- If the change involves the addition of another termination to an existing two-point or multipoint service, installation charges for each location added will apply.
- If the change involves the addition of an optional feature, the installation charge associated with the optional feature will apply. When the optional feature has no associated nonrecurring charge (or rated at \$.00), one circuit termination nonrecurring charge for the type of service involved (i.e., voice grade circuit termination, DDS circuit termination, etc.) will be applied to the order. (D)
- If the change involves only changing the type of network interface, with no change in facility, the installation charge associated with each service receiving a network interface change will apply.
- If the change involves changing a two-wire service to a four-wire service or vice versa, the installation charge for each location changed will apply.

(D)

(D)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(E) Surcharge for Special Access Service (Cont'd)(3) Exemption (Cont'd)

The Telephone Company will cease billing the Special Access Surcharge when certification that the Special Access facility has become exempt from the surcharge, as set forth preceding, is received. If the status of the special access facility was changed prior to the receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety days, based on the effective date of the change specified by the customer in the letter of certification.

(4)	<u>Rate</u>	<u>USOC</u>	<u>Monthly Rate</u>
	Surcharge for Special Access Service		
	- Applicable to all jurisdictions of the Issuing Carriers listed on Title Pages 2 and 2.1.		
	- Per Voice Grade Equivalent	S25	\$25.00

(F) Special Access Cross Connect for EIS

The Special Access Cross Connect charge provides the communications path between Telephone Company provided DS0 (DDS operating at 64Kbps bandwidths), DS1 or DS3 Circuit Termination or detariffed Circuit Mileage and a customer's transmission equipment and facilities where the customer is provided EIS as defined in Section 17. The Special Access Cross Connect charge may also provide the communications path between a customer's transmission equipment and facilities where the customer is provided EIS and EIS arrangements of another customer via Dedicated Transport Service as set forth in Section 19.1. The Special Access Cross Connect is available as DS0, DS1 or DS3 connections. The DS0 Cross Connect can accommodate 64Kbps DDS bandwidth. The Cross Connect arrangement may be connected directly to Telephone company provided 64Kbps DDS, DS0, DS1 or DS3 services or to a Telephone Company provided 64 Kbps DDS, DS0, DS1, or DS3 multiplexing arrangement located in a Telephone Company Hub. The Cross Connect charge applies per DS0 (64Kbps), DS1, or DS3 connection. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications and Regulations7.2.1 Rate Categories(G) DS1 Term Payment Plan (TPP)#(1) Description

The DS1 Term Payment Plan (TPP) allows customers term discounts for DS1 circuit termination. A customer may select this service for either a single state or multi-state level. TPP is offered for a 1, 2, 3, or 5# year service commitment period for the DS1 circuit termination. All TPP DS1 circuit terminations will be billed the same rate, depending on the length of the term selected by the customer. Subject to Section 1.1 preceding, the Telephone Company manages a TPP as a single plan by combining the commitment for DS1 circuit terminations in Competitive and Non-Competitive Counties and applying tariffed and detariffed rates, terms and conditions as applicable. (N)

During the TPP term, a customer may not concurrently subscribe its Special Access DS1 Services to a National Discount Plan as set forth in Section 22 following. (N)

(2)

Rate Changes

(3) Decreases in the TPP monthly recurring circuit termination rates will be passed on to subscribers of the plan.

Commitment Levels

To initiate a TPP, on either a single state or multi-state plan, the minimum commitment is as shown below.

Number of States	Minimum Number of Circuit Terminations (both tariffed and detariffed)	
1	25	(N)
2	50	
3	75	

(D)
(D)

The commitment levels will be met if the customer has the minimum number of DS1 TPP circuit terminations in service. If the customer has committed to more than the minimum number of circuit terminations required, as shown above, an allowance of minus 2% or plus 5 % will be considered as having met the commitment level. If the customer disconnects service under its DS1 TPP in order to replace it with a Replacing Service pursuant to Section 2.9 preceding, the terms and conditions for a Technology Migration as set forth in Section 2.9 preceding apply, including the calculation affecting the Annual Review as set forth in Section 2.9.1 preceding.

Effective May 30, 2019, subscriptions to new 5-Year DS1 TPPs are no longer permitted. Subject to Section 1.1 preceding, the Telephone Company will continue to provide 5-Year DS1 TPPs pursuant to this Section 7.2.1(G) on any existing 5-Year DS1 TPP that was in-service as of May 30, 2019 (Existing 5-Year DS1 TPPs), subject to the following conditions: (C)
(C)
(T)

- The Telephone Company will continue to provide Existing 5-Year DS1 TPPs for the selected commitment period until (i) the customer discontinues service; or (ii) the current commitment period expires, whichever comes first.
- Renewal of an Existing 5-Year DS1 TPP is not permitted.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.4 Facility Hubs

(D)

A customer has the option of ordering Voice Grade facilities or High Capacity facilities (i.e., DS1 or DS3) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Voice, etc.). Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.4 Facility Hubs (Cont'd) (D)

Point to point services may be provided on circuits of these facilities to a hub. The transmission performance for the point to point service provided between the customer designated premises will be that of the lower capacity or bit rate.

The Telephone Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Service Request. The customer will be billed for a High Capacity or Voice Grade Circuit Termination, detariffed Circuit Mileage, Special Access Cross Connect and the detariffed multiplexer for the service at the time the facility is installed. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the hub or may be ordered and/or installed at a later date, at the option of the customer. Individual service rates (by service type) will apply for a Circuit Termination and additional detariffed Circuit Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed. (C)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Categories, Applications, and Regulations (Cont'd)7.2.6 DS3 High Capacity (Cont'd)(D) Discontinuance Without Liability - DS3 Minimum Service Period

Rates for DS3 service may vary during the minimum service period; however, for DS3 Minimum Service Periods established prior to December 17, 2019, should the recurring charges for a customer's DS3 service increase, in aggregate, by more than 10% from the original recurring charges during the minimum service period, the customer may, at their option, terminate the DS3 service without penalty or liability. (C) (C)

The customer may cancel the minimum service period of a DS3 Service that is provided under this Section 7.2.6 in order to replace the DS3 Service with a Replacing Service pursuant to the Technology Migration regulations set forth in Section 2.9 preceding.

(E) Discontinuance With Liability - DS3 Minimum Service Period

When a DS3 service is discontinued prior to the end of the minimum service period, the customer will be liable for a percentage of the total monthly charges for the remaining portion of the minimum service period. This charge will be based on the rates in effect at the time of disconnect. The customer's total liability is dependent upon the number of months remaining within the year that the service is discontinued times the liability rate for that year plus the total monthly charges for each annual period remaining in the minimum service period times the applicable liability rate. The liability rates for each year of the minimum service period are as follows:

<u>Year In Which Service Is Discontinued</u>	<u>Liability Rate</u>
1	45%
2	30%
3	25%
4	20%
5	15%
6	10%
7	5%

For example, if a customer with a three year minimum service period discontinues DS3 service after six months within the 1st year, the customer will be liable for 45% of the total monthly charges for six months, 30% of the total monthly charges for the 2nd year, 25% of the total monthly charges for the 3rd year.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.6 DS3 High Capacity (Cont'd)

(H) Downgrade to a Smaller Capacity System

Downgrades from a larger capacity system to a smaller capacity system will not be allowed without the full assessment of the liabilities described in (E) preceding for the original larger system, plus the full application of all charges for the smaller system. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the smaller capacity system.

(I) Service Disconnect

When a customer requests the disconnect of a DS3 service in the three/twelve capacity system, the disconnect steps are applied on a last in, first out basis. When only the First DS3 service exists on a three/twelve capacity system, that service will be disconnected.

(D)

(D)

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- 7. Special Access Service (Cont'd)
- 7.2 Rate Categories, Applications, and Regulations (Cont'd)
- 7.2.6 DS3 High Capacity (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Categories, Applications, and Regulations (Cont'd)

7.2.7 Reserved for Future Use

(C)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.2 Technical Specifications Packages

Parameter	Package VG-													
	C*	1	2	3	4	5	6	7	8	9	10	11	12	SI
Attenuation														
Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X		X	X	X	X
Envelope Delay														
Distortion	X					X	X	X	X	X	X	X	X	X
Frequency Shift	X					X	X	X	X	X	X	X	X	X
Impulse Noise	X				X	X	X	X	X	X	X	X	X	X
Intermodulation														
Distortion	X					X	X	X	X	X	X	X	X	X
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain														
Hits, and Dropouts	X													
Phase Jitter	X					X	X	X	X	X	X	X	X	X
Return Loss														X
Signal-to-C														
Message Noise					X									
Signal-to-C														
Notch Noise	X				X	X	X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NWT-000335, Issue 3, and associated Addendum. (D)

*

The desired parameters are selected by the customer from the list of available parameters.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.3 Channel Interfaces

The following channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV, and SF.

Compatible channel interfaces are set forth in 9. following.

7.5.4 Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Voice Bridging (two-wire or four-wire)
- (b) Data Bridging (two-wire or four-wire)
- (c) Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports
- (d) Telemetry and Alarm Bridging, Passive Bridging, Summation-Active Bridging

(2) (Reserved for Future Use)

(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each end link. C-Type conditioning and Data Capability may be combined on the same service.

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.4 Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical													
	Specifications Package VG-													
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>SI</u>
C-Type Conditioning	X						X	X	X	X	X	X		
Central Office														
Bridging Capability	X		X			X	X				X	X	X	
Customer Specified														(D)
Premises Receive														(D)
Level	X		X	X				X	X	X				
Data Capability	X						X	X			X			
Improved Return Loss														
-For Effective Four-														
Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-For Effective Two-														
Wire Transmission	X		X	X				X						X
Sealing Current														
Conditioning	X						X							
Signaling Capability	X	X	X	X				X	X	X				#

(#) Signaling is provided in conjunction with Switched Access as set forth in 6.3.2(T) preceding.

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.5 Voice Grade Service (Cont'd)****7.5.5 Rates and Charges**

- (A) Circuit Termination
- Per Point of Termination
- USOC - TME2X, 2-Wire

<u>Jurisdiction</u>	<u>2-Wire Monthly Rates</u>	<u>2-Wire Nonrecurring Charges</u>	
			(D)
			(D)
Pennsylvania Price Cap	11.50	200.00	(D)
			(D)
Virginia Price Cap	21.70	200.00	(D)
			(D)
			(D)
			(D)

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.5 Voice Grade Service (Cont'd)****7.5.5 Rates and Charges (Cont'd)****(A) Circuit Termination (Cont'd)**

- Per Point of Termination

- USOC - TME4X, 4-Wire

<u>Jurisdiction</u>	<u>4-Wire Monthly Rates</u>	<u>4-Wire Nonrecurring Charges</u>	
			(D)
			(D)
Pennsylvania Price Cap	17.55	200.00	(D)
			(D)
Virginia Price Cap	31.50	200.00	(D)
			(D)
			(D)
			(D)

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7.5 Voice Grade Service (Cont'd)
7.5.5 Rates and Charges (Cont'd)
(C) Optional Features and Functions

	<u>Jurisdiction</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>	
	<u>Pennsylvania and Virginia</u>				(D)
(1)	<u>Bridging</u>				
(a)	<u>Voice Bridging</u>				
	- Per port				
	- Two-Wire				
	Price Cap	BCNV2	8.00	None	(D)
	- Four-Wire				
	Price Cap	BCNV4	8.00	None	(D)
(b)	<u>Data Bridging</u>				
	- Per Port				
	- Two-Wire				
	Price Cap	BCND2	8.00	None	(D)
	- Four-Wire				
	Price Cap	BCND4	8.00	None	(D)
(c)	<u>Telephoto Bridging</u>				
	- Per port				
	- Two-Wire				
	Price Cap	BCNF2	8.00	None	(D)
	- Four-Wire				
	Price Cap	BCNF4	8.00	None	(D)
					(D)

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

Jurisdiction
USOC
Monthly
Rates
Nonrecurring
Charge
Pennsylvania and
Virginia

(D)

(1) Bridging (Cont'd)

(d) DATAPHONE Select-A-Station Bridging

Sequential Arrangement Ports

- Per Circuit Connected

- 2-Wire

Price Cap

DQ2

21.23

None

(D)

- 4-Wire

Price Cap

DQ4

112.80

None

(D)

Addressable
Arrangement Ports

- Per Circuit Connected

- 2-Wire

Price Cap

KQ2

22.76

None

(D)

- 4-Wire

Price Cap

KQ4

115.88

None

(D)

(D)

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7. Special Access Service (Cont'd)

7.5. Voice Grade Service (Cont'd)

7.5.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

Jurisdiction
USOC
Monthly
Rates
Nonrecurring
Charge

(D)

Pennsylvania and
Virginia

(1) Bridging (Cont'd)

(e) Telemetry and Alarm Bridging

Active Bridging
Circuit Connections

- Per Circuit Connected
- Split Band

Price Cap

CNLRX

8.04

None

(D)

- Summation

Price Cap

BCNSA

1.37

None

(D)

Passive Bridging
Circuit Connections

- Per Circuit Connected

Price Cap

BCNTP

0.20

None

(D)

(D)

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7. Special Access Service (Cont'd)
7.5. Voice Grade Service (Cont'd)
7.5.5 Rates and Charges (Cont'd)
(C) Optional Features and Functions (Cont'd)

	<u>Jurisdiction</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>	
	<u>Pennsylvania and Virginia</u>				(D)
(2)	Conditioning				
	- Per Point of Termination				
(a)	C - Type	X1CPT			
	Price Cap		11.12	None	(D)
					(D)
(b)	Improved C-Type Conditioning Options				
	- Improved Attenuation Distortion	UHW	*	None	
	- Improved Envelope Delay Distortion	UHY	*	None	
(c)	Sealing Current	1HBPT	None	None	
(3)	Improved Return Loss for Effective Four-Wire Transmission				
	- Per Point of Termination				
	- Two-Wire	1RL2W			
	Price Cap		3.75	None	(D)
					(D)
	- Four-Wire	1RL4W			
	Price Cap		3.75	None	(D)
					(D)
(4)	Customer Specified Receive Level				
	- Per Two-Wire Point of Termination				
	Price Cap	RLS	None	None	(D)
					(D)

* Applied at the same rate as C-Type Conditioning regardless if one or both Improved C-Type options are ordered.

(D)

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7. Special Access Service (Cont'd)
7.5 Voice Grade Service (Cont'd)
7.5.5 Rates and Charges (Cont'd)
**(C) Optional Features
and Functions (Cont'd)**

	<u>Jurisdiction</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>	
	<u>Pennsylvania and Virginia</u>				(D)
(5)	(Reserved for Future Use)				
(6)	Data Capability - Per Point of Termination Price Cap	XDCPT	2.00	0.00	(D) (D)
(7)	Telephoto Capability - Per Point of Termination Price Cap	XTCPT	2.81	0.00	(D) (D)
(8)	Signaling Capability - Per Point of Termination Price Cap	XSS++	16.51	None	(D) (D)

- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

AB	EX	SF
AC	GO	
CT	GS	
DX	LA	
DY	LB	
EA	LO	
EB	LR	
EC	RV	

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.5 Rates and Charges (Cont'd)

	<u>Jurisdiction</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>	
	<u>Pennsylvania and Virginia</u>				(D)
(C)	Optional Features and Functions (Cont'd)				
(9)	Selective Signaling Arrangement				
	- Per Arrangement Price Cap	USZ	\$32.11	None	(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.10 Digital Data Service (Cont'd)

7.10.5 Rates and Charges

- (A) Circuit Termination
 - Per Point of Termination
 - USOC - TMECS

<u>Jurisdiction</u>	<u>2.4, 4.8 & 9.6 Kbps</u>		<u>19.2 Kbps</u>	
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>

					(D)
					(D)
Pennsylvania					
Price Cap	93.83	250.00	93.83	250.00	(D)
					(D)
Virginia					
Price Cap	93.83	250.00	93.83	250.00	(D)
					(D)
					(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.10 Digital Data Service (Cont'd)

7.10.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)

- Per Point of Termination
- USOC - TMECS

<u>Jurisdiction</u>	<u>56.0 Kbps</u>		<u>64 Kbps</u>		
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
					(D)
					(D)
Pennsylvania					
Price Cap	93.83	250.00	93.83	250.00	(D)
					(D)
Virginia					
Price Cap	113.87	250.00	113.87	250.00	(D)
					(D)
					(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.10 Digital Data Service (Cont'd)

7.10.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use

(C)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.10 Digital Data Service (Cont'd)

7.10.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

	<u>Jurisdiction</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
	Pennsylvania, and Virginia				(D)
(1)	Bridging - Per Port				
	Price Cap	BCNDA	11.00	None	(D)
(2)	(Reserved)				

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service

(D)

7.11.1 Basic Circuit Description

A High Capacity circuit is a circuit for the transmission of nominal 64.0 kbps, 1.544, or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub. High Capacity DS1 and DS3 services may also be connected to customer transmission equipment and facilities where the customer is provided EIS as defined in Section 17. High Capacity circuits may also be connected to an in-service Telephone Company provided integrated optical service, provided that such connections are technically and operationally feasible, as determined by the Telephone Company.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity circuit at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1, Issue II.

Channel mileage and multiplexing functions for High Capacity circuits are detariffed.

(N)

Technical Specifications Packages

7.11.2

<u>Parameter</u>	<u>Package HC</u>		
	<u>0</u>	<u>1</u>	<u>3</u>
Error-Free Seconds		X	

A circuit with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference GR-54-CORE, Issue 1.

Available only as a circuit of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps circuits of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.4 Optional Features and Functions (Cont'd)

(3) Reserved for Future Use

(C)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.4 Optional Features and Functions (Cont'd)

(D)

(D)

(4) Clear Channel Capability (CCC)

CCC provides a Bipolar with Eight Zero Substitution (B8ZS) encoding technique that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity Channel with no restraint on the quantity or sequence of one (mark) and zero (space) bits. This arrangement allows customers to derive 64 kbps clear channels. This service is provided only on 1.544 Mbps High Capacity Channels between two customer designated premises and is subject to availability of facilities. This arrangement requires the customer-provided multiplexing equipment to be compatible with the B8ZS line code as specified in Technical Reference GR- 54-CORE, Issue 1, and Technical Reference GR- 342-CORE, Issue 1.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.4 Optional Features and Functions (Cont'd) (T)

- (5) The following table shows the technical specifications packages with which the optional features and functions are available.

Available with Technical
Specifications Package HC-
0 1 3

(D)

(D)

—
—
—

(D)

Clear Channel Capability

X

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges

(A) Circuit Termination - High Capacity DS1

- Per Point of Termination

- USOC - TMECS

		<u>1.544 Mbps</u>		
		Monthly	Nonrecurring	
		Rate	Charge	
<u>Jurisdiction</u>				
				(D)
				(D)
Pennsylvania				
Price Cap		203.13	450.00	(D)
				(D)
Virginia				
Price Cap		226.26	450.00	(D)
				(D)
				(D)
				(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)
- 7.11 High Capacity Service (Cont'd)
- 7.11.5 Rates and Charges (Cont'd)
- (B) Circuit Termination - High Capacity DS1 Term Payment Plan
- Per Point of Termination

Jurisdiction	Nonrecurring Charge	One Year Monthly Rate
USOC		EUU21
		(D)
		(D)
Pennsylvania Price Cap	450.00	186.04
		(D)
		(D)
Virginia Price Cap	450.00	186.04
		(D)
		(D)

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(B) Circuit Termination - High Capacity DS1 Term Payment Plan (Cont'd)

- Per Point of Termination

<u>Jurisdiction</u>	<u>Two Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	
USOC				(D)
				(D)
	EUU22	EUU23	EUU25	(D)
				(D)
				(D)
Pennsylvania Price Cap	181.01	175.98	170.95	(D)
				(D)
Virginia Price Cap	181.01	175.98	170.95	(D)
				(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(E) Circuit Termination - High Capacity DS3
- Per Point of Termination

(1) Individual DS3 - Noncapacity System

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC		SLHA1

Pennsylvania
Price Cap

1,000.00

4,546.00

(D)

(D)

(D)

(D)

Virginia
Price Cap

1,000.00

3,200.00

(D)

(D)

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.11 High Capacity Service (Cont'd)****7.11.5 Rates and Charges (Cont'd)**(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(1) Individual DS3 - Noncapacity System

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year# Monthly Rate</u>	<u>Seven Year# Monthly Rate</u>
USOC	SLHA3	SLHA5	SLHA7

(D)

(D)

Pennsylvania Price Cap	3,069.00	2,725.00	2,571.00
---------------------------	----------	----------	----------

(D)

(D)

Virginia Price Cap	2,000.00	1,700.00	1,600.00
-----------------------	----------	----------	----------

(D)

(D)

Service availability limited. Refer to # footnote on Page 7-44.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(2) Three Capacity System
- First DS3

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC		SLHB1

(D)

(D)

Pennsylvania
Price Cap

2,500.00

5,187.00

(D)

(D)

Virginia
Price Cap

2,500.00

4,700.00

(D)

(D)

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.11 High Capacity Service (Cont'd)****7.11.5 Rates and Charges (Cont'd)**

(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(2) Three Capacity System (Cont'd)
- First DS3

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHB3	SLHB5	SLHB7

(D)

(D)

Pennsylvania
Price Cap

3,624.00

3,244.00

3,072.00

(D)

(D)

Virginia
Price Cap

3,300.00

2,900.00

2,700.00

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(3) Three Capacity System
- Each Additional DS3 - (Maximum of 2)

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC		SLHC1

(D)

(D)

Pennsylvania
Price Cap

1,000.00

290.00

(D)

(D)

Virginia
Price Cap

1,000.00

270.00

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.11 High Capacity Service (Cont'd)****7.11.5 Rates and Charges (Cont'd)**

(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(3) Three Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 2)

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year# Monthly Rate</u>
USOC	SLHC3	SLHC5

(D)

(D)

Pennsylvania
Price Cap

228.00

209.00

(D)

(D)

Virginia
Price Cap

180.00

171.00

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(4) Twelve Capacity System
- First DS3

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>	
USOC		SLHD1	(D)
Pennsylvania			(D)
Price Cap	4,500.00	7,720.00	(D)
Virginia			(D)
Price Cap	4,500.00	8,099.00	(D)
			(D)

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(4) Twelve Capacity System (Cont'd)
- First DS3

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHD3	SLHD5	SLHD7

(D)

(D)

Pennsylvania
Price Cap

5,971.00

5,469.00

5,235.00

(D)

(D)

Virginia
Price Cap

6,261.00

5,729.00

5,479.00

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(5) Twelve Capacity System
- Each Additional DS3 (Maximum of 11)

<u>Jurisdiction</u>	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
USOC		SLHE1

Pennsylvania
Price Cap

1,000.00

298.00

Virginia
Price Cap

1,000.00

281.00

(D)

(D)

(D)

(D)

(D)

(D)

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ACCESS SERVICE7. Special Access Service (Cont'd)7.11 High Capacity Service (Cont'd)7.11.5 Rates and Charges (Cont'd)(E) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination(5) Twelve Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 11)

<u>Jurisdiction</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
USOC	SLHE3	SLHE5	SLHE7

(D)

(D)

Pennsylvania Price Cap	236.00	217.00	208.00
---------------------------	--------	--------	--------

(D)

(D)

Virginia Price Cap	197.00	176.00	166.00
-----------------------	--------	--------	--------

(D)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(G) Reserved for Future Use

(C)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(H) Reserved for Future Use

(C)

(D)

(D)

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7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(J) Reserved for Future Use

(C)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(K) Reserved for Future Use

(C)

(D)

(D)

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7. Special Access Service (Cont'd)

(D)

(D)

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7. Special Access Service (Cont'd)

(D)

(D)

(D)

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7. Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(L) Optional Features and Functions (D)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
Jurisdiction				(D)
Pennsylvania and Virginia				(D)

(D)

(D)

(1) Clear Channel Capability (T)

- Per DS1 circuit arranged
Price Cap

CCO

None

\$753.50

(D)

(D)

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ACCESS SERVICE

8. Miscellaneous Services

When a Special Access Service is provided entirely or in part under this tariff, the Miscellaneous Service charges, (N)
under this tariff will apply. (N)

In this section normally scheduled working hours are the Telephone Company's normal business hours, 8 AM to 5 PM, Monday through Friday. Any work occurring outside of these hours, Monday through Friday, will be charged at Overtime Rates. Any work occurring on Saturday, Sunday, or Holidays will be charged at Premium Rates.

A call-out of a Telephone Company employee at a time not consecutive with normally scheduled working hours is subject to a minimum charge of four hours.

8.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of the customer or when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer's request.

Additional Engineering is provided when:

(A) A customer requests additional technical information beyond that normally included by the Telephone Company on the Design Layout Report (DLR) as set forth in 6.4(F) and 7.1.6.

(B) Additional engineering time is incurred by the Telephone Company to engineer a customer's specific written request for a customized service or additional engineering activities which are not normally performed in the provision of services under this tariff.

The Telephone Company will notify the customer that Additional Engineering charges, as set forth in 8.1.1 following, will apply before any additional engineering is undertaken. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

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ACCESS SERVICE**8. Miscellaneous Services (Cont'd)****8.1 Additional Engineering (Cont'd)****8.1.1 Charges for Additional Engineering**

The charges for Additional Engineering are as follows:

Per Engineer, Per Half Hour, or Fraction Thereof

<u>Jurisdiction</u>	<u>Basic Time</u> <u>USOC: AEH</u>	<u>Overtime</u> <u>USOC: AEH</u>	<u>Premium Time*</u> <u>USOC: AEH</u>	
N Carolina				(D)
Services Other than Special Access	150.00	200.00	250.00	(D)
				(C)
Pennsylvania				
Special Access				
Price Cap	150.00	200.00	250.00	(D)
All Other Services	150.00	200.00	250.00	(D)
Virginia	150.00	200.00	250.00	
Special Access				
Price Cap	150.00	200.00	250.00	(D)
All Other Services	150.00	200.00	250.00	(D)

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ACCESS SERVICE**8. Miscellaneous Services (Cont'd)****8.2 Additional Labor (Cont'd)****8.2.6 Charges for Additional Labor**

The charges for additional labor are as follows:

Per Technician, Per Half Hour, or Fraction Thereof

USOC: ALK and MVV (See Sections 8.2.4, 8.2.5, and 8.3(C)).

<u>Jurisdiction</u>	<u>Basic Time</u>	<u>Overtime*</u>	<u>Premium Time*</u>	
N Carolina				(D)
Services Other Than Special Access	150.00	200.00	250.00	(D) (C)
Pennsylvania				
Special Access				
Price Cap	150.00	200.00	250.00	(D) (D)
All Other Services	150.00	200.00	250.00	
Virginia				
Special Access				
Price Cap	150.00	200.00	250.00	(D) (D)
All Other Services	150.00	200.00	250.00	

* A call-out of a Telephone Company employee at a time not consecutive with the Business Day is subject to a minimum charge of four hours.

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ACCESS SERVICE
8. Miscellaneous Services (Cont'd)
8.2 Additional Labor (Cont'd)
8.2.6 Charges for Additional Labor (Cont'd)
Per Technician, Per Half Hour, or Fraction Thereof

USOC: ALH (See Sections 8.2.1 through 8.2.2).

<u>Jurisdiction</u>	<u>Basic Time</u>	<u>Overtime*</u>	<u>Premium Time*</u>	
N Carolina				(D)
				(D)
Services Other Than Special Access	24.33	75.00	125.00	(C)
Pennsylvania				
Special Access				
Price Cap	19.88	75.00	125.00	
				(D)
				(D)
All Other Services	19.88	75.00	125.00	
Virginia				
Special Access				
Price Cap	24.41	75.00	125.00	
				(D)
				(D)
All Other Services	24.41	75.00	125.00	

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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ACCESS SERVICE
8. Miscellaneous Services (Cont'd)
8.2 Additional Labor (Cont'd)
8.2.6 Charges for Additional Labor (Cont'd)

The charges for additional labor are as follows:

Per Technician, Per Half Hour, or Fraction Thereof

USOC: ALT (See Section 8.2.3)

<u>Jurisdiction</u>	<u>Basic Time</u>	<u>Overtime*</u>	<u>Premium Time*</u>	
N Carolina				(D)
Services Other Than Special Access	60.00	70.00	80.00	(D) (C)
Pennsylvania Special Access Price Cap	60.00	70.00	80.00	(D) (D)
All Other Services	60.00	70.00	80.00	
Virginia Special Access Price Cap	60.00	70.00	80.00	(D) (D)
All Other Services	60.00	70.00	80.00	

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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ACCESS SERVICE**8. Miscellaneous Services (Cont'd)****8.4 Additional Testing (Cont'd)****(C) Rates and Charges**

The charges for Additional Testing are as follows:

Per Technician, Per Half Hour, or Fraction Thereof

<u>Jurisdiction</u>	<u>Basic Time</u> <u>USOC: ALK</u>	<u>Overtime*</u> <u>USOC: ALK</u>	<u>Premium Time*</u> <u>USOC: ALK</u>	
N Carolina				(D)
Services Other Than Special Access	150.00	200.00	250.00	(D) (C)
Pennsylvania Special Access Price Cap	150.00	200.00	250.00	(D) (D)
All Other Services	150.00	200.00	250.00	
Virginia Special Access Price Cap	150.00	200.00	250.00	(D) (D)
All Other Services	150.00	200.00	250.00	

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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ACCESS SERVICE**8. Miscellaneous Services (Cont'd)****8.8 Telecommunications Service Priority (Cont'd)****8.8.4 Rates and Charges**

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished the provisions of this tariff which operate in conjunction with the TSP System.

When a Special Access Service is provided entirely or in part under this tariff, the rates and charges for TSP in this tariff will apply. (N)
 (N)

(A) Priority Installation of an Access Service.

- | | | |
|-----|--|---|
| (1) | Expedited Orders | Regulations, rates and charges are the same as those set forth in 5.3.1(D) preceding for Switched and Special Access Service. |
| (2) | Utilization of Specially Constructed Facilities. | Regulations, rates and charges as set forth in Section 5.1.12 preceding. |

(B) Priority Restoration (PR) Level Implementation on an Access Service.

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(1)	When the PR level is implemented concurrent with the initial ASR. Special Access	---		
		\$4.90	None	(D)
	All other services	4.90	None	(D)
(2)	When the PR level is added or changed on an existing Access Service. Special Access	---		
		\$4.90	\$14.50	(D)
	All other services	4.90	14.50	(D)

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ACCESS SERVICE

8. Miscellaneous Services (Cont'd)

8.12 Reserved for Future Use

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ACCESS SERVICE**9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)****9.3 Channel Interface and Network Channel Codes (Cont'd)****9.3.1 Glossary of Channel Interface Codes and Options**

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AC -		accepts 20 Hz ringing signal at customer's end user's point of termination
CT -		Centrex Tie Trunk Termination
DA -		data stream in VF frequency band at customer's end user's point of termination
-	1	monitoring interface with series RC combination (McCulloh format)
-	2	Telephone Company energized alarm channel
DD -		DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
DE -		DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination
DS -		digital hierarchy interface
-	15	1.544 Mbps (DS1) format per PUB 41451 plus D4
-	15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
-	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
-	15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
-	15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
-	15J	1.544 Mbps format per PUB 41451

(D)

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(D)

(D)

(D)

ACCESS SERVICE

9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)9.3 Channel Interface and Network Channel Codes (Cont'd)9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>	
DS (Cont'd)			
-	15K	1.544 Mbps format per PUB 41451 plus extended framing format	
-	15L	1.544 Mbps (DS1) with SF signaling	(D)
-	44	44.736 Mbps (DS3)	(D)
-	44L	44.736 Mbps (DS3) with SF signaling	(D)
DU -		digital access interface	(D)
-	19	19.2 kbps	
-	24	2.4 kbps	
-	48	4.8 kbps	
-	56	56.0 kbps	
-	64	64 kbps	
-	96	9.6 kbps	
-	A	1.544 Mbps format per PUB 41451	
-	B	1.544 Mbps format per PUB 41451 plus D4	
-	C	1.544 Mbps format per PUB 41451 plus extended framing format	(D)
DY -		duplex signaling interface at customer's end user's point of termination	(D)
EA -		E type I E&M Lead Signaling. Customer's end user at POT originates on E Lead.	(D)
EA -	M	Type I E&M Lead Signaling. Customer's end user at POT originates on M Lead.	
EB -		E Type II E&M Lead Signaling. Customer's end user at POT originates on E Lead.	(D)
EB -	M	Type II E&M Lead Signaling. Customer's end user at POT originates on M Lead.	(D)

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9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
EC - EX -	A	Type III E&M signaling at customer POT tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.
EX -	B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO -		ground start loop signaling - open end function by customer or customer's end user.
GS -		ground start loop signaling - closed end function by customer or customer's end user
IA - LA -		E.I.A. (25 pin RS-232) end user loop start loop signaling - Type A OPS registered port open end
LB -		end user loop start loop signaling - Type B OPS registered port open end
LC -		end user loop start loop signaling - Type C OPS registered port open end
LO -		loop start loop signaling - open end function by customer or customer's end user
LR -		20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
LS -		loop start loop signaling - closed end function by customer or customer's end user
NO -		no signaling interface, transmission only

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ACCESS SERVICE**9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)****9.3 Channel Interface and Network Channel Codes (Cont'd)****9.3.3 Digital Hierarchy Channel Interface Codes (4DS)**

Customers selecting the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS8, 4DS0 or 4DS6 plus the speed options indicated below:

<u>Interface Code and Speed Option</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>	
4DS8-15	1.544	DS1	
4DS6-44	44.736	DS3	(D)
			(D)

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ACCESS SERVICE

9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

9.3 Channel Interface and Network Channel Codes (Cont'd)

9.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, VG1, etc.) and the network channel codes that are used for various administrative purposes.

<u>Service Designator Code</u>	<u>Network Channel Code</u>
VG0	LA
VG1	LB
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR

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ACCESS SERVICE**9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)****9.3 Channel Interface and Network Channel Codes (Cont'd)****9.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)**

<u>Service Designator Code</u>	<u>Network Channel Code</u>	
DA1	XA	
DA2	XB	
DA3	XG	
DA4	XH	
HCO	HS	
HC1	HC	(D)
HC3	HF	(D)

ACCESS SERVICE**10. Special Federal Government Access Services**

Non-Competitive End-User Circuit Terminations (and associated optional features and functions) are the Federal Government Special Access Services included in this tariff. Federal Government Special Access Services for the other components needed to complete the circuit are available as described in Section 1.1 preceding. (N)
(N)

10.1 General

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security. The restoration of services provided in accordance with the Federal Government's Telecommunications Service Priority (TSP) System will be implemented in accordance with the regulations set forth in Section 8.8.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company or customer.

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ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description (Cont'd)

(C) Special Routing Access Service

Special Routing Access Service is a specialized service for use by carriers authorized to provide their service for an agency or branch of the Federal Government. This service provides the customer's end users the ability to originate and terminate calls to or from the customer's premises utilizing a Special Routing Plan. (C)

This service is an optional service which operates in conjunction with Trunk Side Premium Access Service furnished under other provisions of this tariff. (D)

(D) High Capacity DS1 Service

For Special Federal Government access arrangements, High Capacity DS1 Non-Competitive End User Circuit Terminations will be rated as set forth in Section 7 but will be offered with clear channel capability as a nonchargeable option. Clear channel capability is described in 7.11.4(4). (C)

(E) (Reserved for Future Use)

ACCESS SERVICE

21. Operating Territories of the Verizon Telephone Companies (Cont'd)

21.3 Competitive and Non-Competitive Counties

(A) General

Counties and county-equivalents within the Telephone Company's operating territories have been designated by the Federal Communications Commission to be either Competitive or Non-Competitive for the purposes of pricing Special Access Services.

Rates and charges are shown in Sections 5, 7, 8, and 10 preceding and Section 20 following for Special Access Services.

(1) Competitive Pricing

The rate elements associated with the transmission path are those rate elements applicable for the type of service involved. Rates and charges for competitive rate elements are shown in terms of price bands, regardless of the status of the county for a particular wire center. To determine the price band for a rate element, first locate the county and the wire center from which the service is provided in Section 21.3(C) following and find the corresponding price band. Price cap rates and charges apply for Non-Competitive End User Circuit Terminations and Optional Features and Functions ordered for such Non-Competitive End User Circuit Terminations (e.g., Bridging). (C) (C)

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ACCESS SERVICE

21. Operating Territories of the Verizon Telephone Companies (Cont'd)

21.3 Competitive and Non-Competitive Counties (Cont'd)

(A) General (Cont'd)

(2) The Special Access services under this tariff which are subject to price bands are as follows: (C)

- Point to Point SONET service facilities

- Banded Optical Transport

- Custom Connect DS1, DS3, and STS1 Riders, and DS1 and DS3/STS1 Shared Transport

- Verizon Dedicated SONET ring DS1, DS3, DS3 Transmux and STS1 Ports,

DS1, DS3 and STS1 Partial Ring Channel Mapping

- IntelliLight Entrance Facilities (IEF)

- Federal Government Banded Optical Transport

(D)

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(D)

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ACCESS SERVICE

21. Operating Territories of the Verizon Telephone Companies (Cont'd)

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ACCESS SERVICE

22. Discount Plans

The following discount plans are available to all customers who purchase the applicable services and meet the requirements for each such discount plan, as set forth in Section 22.1 following for National Discount Plan.

22.1 National Discount Plan#22.1.1 General

(A) Overview

The National Discount Plan (NDP) is an optional discount plan that allows the NDP Customer to aggregate its Qualifying Services on a national basis. The NDP provides discounts on certain rate elements of Qualifying Services. The level of discount received by the NDP Customer corresponds to the NDP Customer's quantities of Qualifying Services, the customer's selection of a Commitment Matrix Option, and the Plan Year.

Subject to Section 1.1 preceding, the Telephone Company manages an NDP as a single plan and applies tariffed and detariffed rates, terms and conditions as applicable. Any references to detariffed services are solely to assist in understanding the overall plan and shall not be construed to mean that such services are offered under this tariff or are subject to Section 203 of the Act. (N)
(N)

(B) Specific Terms and References

Unless otherwise defined in this tariff, the following terms are used in this Section 22.1. References to other sections of Section 22.1 are provided for further information on each term.

(1) Achieved Discount Tier: shall mean the Discount Tier (as determined in the Annual True-Up) that the NDP Customer could have achieved during the Annual True-Up Period.

(2) ACNA: shall mean Access Customer Name Abbreviation, as such term is generally understood in the Telecommunications Industry to be the name abbreviation for a purchaser of Special Access Services and Facilities for Interstate Access.

(3) Actual Increase: shall mean a measurement used in calculating the CBB Discount, that measures the difference between (i) the number of Equivalent DS1 CTs or Equivalent DS1 CMs (as applicable) in month one (1) of the Annual True-Up Period; and (ii) the number of Equivalent DS1 CTs or Equivalent DS1 CMs (as applicable) in month twelve (12) of the Annual True-Up Period.

(4) Anniversary Date: shall mean each twelve (12) month anniversary of the NDP Start Date during the Term.

Effective May 30, 2019, subscriptions to new NDP are no longer permitted. Subject to Section 1.1 preceding, the Telephone Company will continue to provide NDP pursuant to this Section 22.1 on any existing NDP that was in-service as of May 30, 2019 (Existing NDPs), subject to the following conditions: (C)
(T)
(T)

- The Telephone Company will continue to provide Existing NDPs until (i) the customer discontinues NDP; or (ii) the current commitment period expires, whichever comes first.
- Renewal of an Existing NDP is not permitted.

ACCESS SERVICE

22. **Discount Plans** (Cont'd)
- 22.1 **National Discount Plan#** (Cont'd)
- 22.1.1 **General** (Cont'd)
- (B) Specific Terms and References (Cont'd)
- (9) **Average Monthly Rate Per Equivalent DS1 CT**: shall mean the rate as calculated in accordance with in Section 22.1.7(C)(1) following.
- (10) **Channel Termination(s)**: shall mean the applicable Special Access channel terminations for Qualifying Services (as used in the Telephone Company's Tariff FCC No. 1 (FCC1) and the Telephone Company's Tariff FCC No. 11 (FCC11)), the applicable Special Access Lines (SAL(s)) for Qualifying Services (as used in the Telephone Company's Tariff FCC No. 14 (FCC14)), and the applicable Circuit Terminations for Qualifying Services (as used in this tariff) as follows:
- (a) Channel Terminations for Special Access DS1 Services which are described in Section 7.2.9 of FCC1, Section 7.2.9 of FCC11, Section 5.3.6 of FCC14, and Section 7.11.1 preceding of this tariff; and
 - (b) Channel Terminations for Special Access DS3 Services using electrical and optical interfaces which are described in Section 5.3.6 of FCC14, and Section 7.11.1 preceding of this tariff, and
 - (c) Secondary Channel Terminations for Special Access DS3 Services using electrical and optical interfaces which are described in Section 7.2.9 of FCC1, and Section 7.2.9 of FCC11; and (D)
 - (d) Channel Terminations for IEF Services.
- (11) **Channel Termination Revenue Cap**: shall mean the total discounted monthly revenues associated with all in-service channel termination rate elements for Equivalent DS1 CTs for month one of the NDP multiplied by the appropriate Commitment Level percentage (e.g., 92% for Deluxe). In the event the Commitment Level changes, (e.g., as a result the NDP Customer exceeding its Maximum Service Level), the Telephone Company will make a commensurate adjustment to the Channel Termination (CT) Revenue Cap.
- (12) **Channel Mileage**: shall mean the applicable channel mileage for Qualifying Services, the applicable Special Transport for Qualifying Services and the applicable Circuit Mileage for Qualifying Services. (D)
(D)
(D)
(D)
- (13) **Channel Mileage Revenue Cap**: shall mean the total discounted monthly revenues associated with all in-service channel mileage rate elements for Equivalent DS1 CMs for month one of the NDP multiplied by the appropriate Commitment Level percentage (e.g., 92% for Deluxe). In the event the Commitment Level changes, (e.g., as a result the NDP Customer exceeding its Maximum Service Level), the Telephone Company will make a commensurate adjustment to the Channel Mileage (CM) Revenue Cap.
- (14) **Commitment Buy Up Bonus**: shall mean an option available to the NDP Customer which allows the NDP Customer to increase (buy-up) their CT Commitment Level and/or their CM Commitment Level, and receive a discount one or both Commitment Levels, as described in Section 22.1.7(E) following.
- (15) **CBB Discount**: shall mean the Commitment Buy-Up Bonus Discount as described in Section 22.1.7(E) following.

Service availability limited. Refer to # footnote on Page 22-1.

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22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.1 General (Cont'd)

(B) Specific Terms and References (Cont'd)

- (37) **Sale Adjustment**: shall mean an adjusted amount of Equivalent DS1 CTs and an adjusted amount of Equivalent DS1 CMs which are no longer provided to the NDP Customer as a result of a Telephone Company Sale.
- (38) **Shortfall Penalty**: shall mean a penalty assessed against the NDP Customer when it fails to meet its CT Commitment Level and/or CM Commitment Level, as applicable, as further described in Section 22.1.7(C) following.
- (39) **Special Access DS3 Service**: shall mean Special Access DS3 High Capacity Service as described in Section 7.11 of this tariff, Special Access DS3 High Capacity/44.736 Mbps Service as described in Section 7.2.9 of FCC1, Special Access High Capacity 44.736 Mbps Service as described in Section 7.2.9 of FCC11, and Special Access High Capacity Digital DS3 Service as described in Section 5.3.6(E) of FCC14, and detariffed interstate Special Access DS3 High Capacity/44.736 Mbps Services provided by the Telephone Company. (C)
- (40) **Special Access DS1 Service**: shall mean Special Access DS1 High Capacity Service as described in Section 7.11 of this tariff, Special Access DS1 High Capacity/1.544 Mbps Service as described in Section 7.2.9 of FCC1, Special Access High Capacity 1.544 Mbps Service as described in Section 7.2.9 of FCC11, and Special Access High Capacity Digital DS1 Service as described in Section 5.3.6(A) of FCC14, and detariffed Special Access DS1 High Capacity/1.544 Mbps Service provided by the Telephone Company. (C)
- (41) **Subscription Date**: shall mean the date that the Telephone Company receives an executed and completed subscription document from the NDP Customer as described in Section 22.1.2(A) following.
- (42) **Telephone Company Sale**: shall mean the sale or other divestiture of an operating territory or a portion of an operating territory of a Telephone Company, whereby the Telephone Company no longer provides Qualifying Services in such operating territory or portion of an operating territory.
- (43) **Term**: shall mean the Initial Term, and any Renewal Term(s).
- (44) **Upgrade or Upgraded**: shall mean the replacement of (i) a Qualifying Service with a Qualifying Service of a higher bandwidth or capacity (e.g., replacement of a Special Access DS3 Service with an IEF Service); or (ii) a Qualifying Service with another Telephone Company provided service of a higher bandwidth or capacity that is not a Qualifying Service (e.g., replacement of a Special Access DS3 Service with an Ethernet Service of a higher bandwidth).
- (45) **Upgrade Adjustment**: shall mean an adjusted number of Equivalent DS1 CTs and an adjusted number of Equivalent DS1 CMs that were Upgraded by the NDP Customer during the Annual True-Up Period.

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.1 General (Cont'd)

- (E) Subscription to Other Arrangements (D)
- (1) At any time during the Term of the NDP, the NDP Customer may not simultaneously subscribe the Discounted Rate Elements for the ACNA(s) included in the NDP Customer's NDP to other existing or new arrangements (including a contract option, an individual case basis arrangement, specialized service arrangement (or the like), or other discount plan, such as DS1 Term Pricing Plans, subject to the exceptions set forth in Section 22.1.1(D)(1) following. Except as set forth in (D)(1)(a) through (e) following, if the NDP Customer subscribes to such other arrangement, then the NDP Customer shall be deemed to have terminated the NDP, and termination liability (as set forth in Section 22.1.13 following) shall apply. (D)
- (a) Unless specifically prohibited under a contract option, the NDP Customer may concurrently subscribe to and receive the benefits of the NDP and any existing or new contract option that provides discounts on a circuit specific basis on any Qualifying Service (including discounts or credits on Discounted Rate Elements); or (D)
- (b) Unless specifically prohibited under a contract option, the NDP Customer may concurrently subscribe to and receive the benefits of NDP and any existing or new contract option that provides discounts for achieving certain aggregate volume or revenue targets for IEF Services; or (D)
- (c) The specific arrangement (including the contract option) specifically permits concurrent subscription to the NDP and the applicable contract option; or (D)
- (d) The NDP Customer may subscribe concurrently to the NDP and an IEF term plan or an IEF Commitment Discount Plan; or (D)
- (e) The NDP Customer may concurrently subscribe Qualifying Services ordered on or after July 16, 2016 to other existing or new arrangements as long as said Qualifying Services are for an ACNA that is not included in the NDP Customer's NDP. (T)

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)

22.1 National Discount Plan# (Cont'd)

22.1.3 Qualifying Services

(A) Inclusion of Qualifying Services in NDP

The Qualifying Services are included in the NDP for purposes of determining the Equivalent DS1 CTs and Equivalent DS1 CMs.

- (1) If the NDP Customer purchases one or more of the Qualifying Services under this tariff, and/or under FCC1, and/or FCC11 and/or FCC14, and/or on a detariffed basis, and subscribes to the NDP, the NDP Customer's NDP must include the Qualifying Services in the quantities set forth in (B) following that are purchased for the ACNA(s) included in NDP. For each Qualifying Service, the NDP Customer must include all quantities (i.e., one hundred percent (100%)) of such Qualifying Service purchased for the ACNA(s) included in NDP.

- (2) The NDP will be administered as a single discount plan across all of the Telephone Company's operating territories for which a single set of Commitment Levels, Discount Tiers, and Term shall apply.

(D)

(D)

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)

22.1 National Discount Plan# (Cont'd)

22.1.3 Qualifying Services

(B) Qualifying Services

Subject to the terms of Section 22.1.1(D) preceding, the applicable percentage (as listed below) of each Qualifying Service provided by the Telephone Company to the NDP Customer pursuant to this tariff, FCC1, FCC11, FCC14, and on a detariffed basis for the ACNA(s) included in the NDP Customer's NDP, shall be included in the NDP at the time of subscription to NDP and, as applicable, at any time during the Term when the NDP Customer purchases additional quantities of such Qualifying Services. (C)

- (1) All quantities (one hundred percent (100%)) of Special Access DS1 Service Channel Terminations;
- (2) All quantities (one hundred percent (100%)) of Special Access DS3 Service Channel Terminations (including Individual System, 3 System, and Unlimited System configurations, and 12 Capacity System configurations); (D)
- (3) All quantities (one hundred percent (100%)) of Special Access DS1 Service Channel Mileage (see Notes 1 and 3);
- (4) All quantities (one hundred percent (100%)) of Special Access DS3 Service Channel Mileage (including Individual System, 3 System, and Unlimited System configurations, and Individual System, 3 Capacity System, 12 Capacity System and Unlimited System configurations); (D)
- (5) All quantities (one hundred percent (100%)) of IEF STS1 Channel Terminations. (D)

(C) Shared Use Arrangements

For Qualifying Services that are provided as part of a Shared Use Arrangement as set forth in Section 7.2.5 preceding, the Special Access DS3 Service or Special Access DS1 Service will be included in the NDP. The Switched Access Portion for such services of the Shared Use Arrangement will not be included in the NDP or be subject to discounting under the NDP.

(D) Reserved for Future Use (C)

(D)
|
|
(D)

Note 3: The MetroLAN Optional Arrangement is not a Qualifying Service.
Service availability limited. Refer to # footnote on Page 22-1. (D)

ACCESS SERVICE

22. Discount Plans (Cont'd)

22.1 National Discount Plan# (Cont'd)

22.1.3 Qualifying Services (Cont'd)

(D)

(D)

(E) Addition of Services and Removal of Services

(1) Addition of Services

(a) The NDP Customer may add Special Access DS3 Service and Special Access DS1 Service for the ACNA(s) included in the NDP Customer's NDP at any time during the Term of the NDP. Qualifying Services are added to the NDP for the remainder of the Term (i.e., on a coterminous basis). The NDP Customer may add Special Access DS3 Service and Special Access DS1 Service for ACNA(s) not included in NDP only if it adds the ACNA(s) to the NDP Customer's NDP pursuant to Section 22.1.11 following.

(b) When the NDP Customer adds one or more IEF Services during the Term of the NDP, the added IEF Service will be added to the NDP solely for the purpose of calculating the number of Equivalent DS1 CTs and/or the number of Equivalent DS1 CMs used to administer the NDP.

(2) Removal of Services

(a) When the NDP Customer removes one or more Special Access DS3 Services or Special Access DS1 Services for the ACNA(s) included in the NDP Customer's NDP, but not all Special Access DS3 Services and Special Access DS1 Services for the ACNA(s) included in the NDP Customer's NDP, from NDP at any time during the Term, no termination liability charge applies.

(b) When the NDP Customer removes one or more IEF Services for the ACNA(s) included in the NDP Customer's NDP during the Term of the NDP, no termination liability under this Section 22.1 applies. However, the NDP Customer may be subject to (i) termination liability under its applicable term plan for IEF Service.

(c) When the NDP Customer removes all Special Access DS3 Services and all Special Access DS1 Services for the ACNA(s) included in the NDP Customer's NDP from the NDP (i.e., the NDP Customer cancels its NDP in its entirety), termination liability applies in accordance with Section 22.1.13 following.

Service availability limited. Refer to # footnote on Page 22-1.

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ACCESS SERVICE

22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.4 Commitment Levels and Discount Tiers

(A) Calculation of Equivalent DS1 CTs and Equivalent DS1 CMs

In order to establish Commitment Levels and Discount Tiers, Equivalent DS1 CTs and Equivalent DS1 CMs must be determined. Based on the actual quantities of Channel Terminations and Channel Mileage for the ACNA(s) included in the NDP Customer's NDP, and the percentage of each Qualifying Service that must be included in the NDP (i.e., 100% or 75%, as applicable), as set forth in Section 22.1.3(B) preceding, the Telephone Company will calculate the Equivalent DS1 CTs and Equivalent DS1 CMs.

(1) The Equivalent DS1 CTs shall be calculated as follows:

- (Step 1) Determine the actual quantity of Channel Terminations for each Qualifying Service for the ACNA(s) included in the NDP Customer's NDP. (D)
- (Step 2) Multiply the actual quantity of Channel Terminations for such Qualifying Service by 100% if the Qualifying Service is Special Access DS1 Service, Special Access DS3 Services, or an IEF Service.
- (Step 3) Using Table 1, below, multiply (a) the applicable number in the column entitled "DS1 CT Multiplier" below; by (b) the number derived in Step 2 above.
- (Step 4) Repeat the process in Steps (1) through (3) for each Qualifying Service.
- (Step 5) Add the product of all of the equivalent Channel Terminations for all of the Qualifying Services derived in Steps (1) through (4) above.

Table 1: Calculation of Equivalent DSI CTs.

<u>Qualifying Service</u>	<u>DS1 CT Multiplier</u>
STS1 level	28
DS3 level	28
DS1 level	1

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.4 Commitment Levels and Discount Tiers (Cont'd)

(A) Calculation of Equivalent DS1 CTs and Equivalent DS1 CMs (Cont'd)

(2) The Equivalent DS1 CMs shall be calculated as follows:

- (Step 1) Determine the actual quantity of Channel Mileage for each Qualifying Service for the ACNA(s) included in the NDP Customer's NDP. (D)
- (Step 2) Multiply the actual quantity of Channel Mileage for such Qualifying Service by 100% if the Qualifying Service is a Special Access DS1 Service or a Special Access DS3 Services.
- (Step 3) Using Table 2, below, multiply (a) the applicable number in the column entitled "DS1 CM Multiplier" below; by (b) the number derived in Step 2 above.
- (Step 4) Repeat the process in Steps (1) through (3) for each Qualifying Service.
- (Step 5) Add the product of all of the equivalent Channel Mileage for all of the Qualifying Services derived in Steps (1) through (4) above.

Table 2: Equivalent DSI CMs.

<u>Qualifying Service</u>	<u>DS1 CM Multiplier</u>
STS1 level	N/A
DS3 level	28
DS1 level	1

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.5 Application of Discount(A) Discounted Rate Elements

The discounts provided under the NDP shall only be provided for the ACNA(s) included in the NDP Customer's NDP on the following Discounted Rate Elements:

- | | | |
|-----|---|-----------------|
| (1) | The following Discounted Rate Elements offered in the operating territories of Verizon Delaware LLC, Verizon Maryland LLC, Verizon New Jersey Inc., Verizon Pennsylvania LLC, Verizon Virginia LLC and Verizon Washington, D.C. Inc. are included in NDP. | (C)

(C) |
| (a) | Special Access DS1 Service Channel Terminations, Basic Service, Section 7.5.9(A) of FCC1, as determined in accordance with Section 14.8 of FCC1, and/or on a detariffed basis. | (C) |
| (b) | Detariffed Special Access DS1 Service Channel Mileage, Basic Service . | (C) |
| (c) | Detariffed Special Access DS1 Service DS1 to Voice Multiplexing, Basic Service. | (C) |
| (d) | Detariffed Special Access DS1 Service DS1 to Digital Multiplexing, Basic Service. | (C) |
| (e) | Detariffed Special Access DS1 Service DS1 to DS0 Multiplexing, Basic Service. | (C) |
| (f) | Detariffed Special Access DS3 Service primary Channel Terminations, Base Rates. | (C) |
| (g) | Special Access DS3 Service secondary Channel Terminations, Base Rates, Section 7.5.9(A) of FCC1, as determined in accordance with Section 14.8 of FCC1, and/or on a detariffed basis. | (D)
(C) |
| (h) | Detariffed Special Access DS3 Service Channel Mileage, <u>Banded</u> Base Rates, as applicable. | (C) |
| (i) | Detariffed Special Access DS3 Service Channel Mileage, Base Rates, as applicable. | (C) |
| (j) | Detariffed Special Access DS3 Service DS3 to DS1 Multiplexing, Base Rates. | (C) |

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.5 Application of Discount (Cont'd)(A) Discounted Rate Elements (Cont'd)

- (2) The following Discounted Rate Elements offered in the operating territories of Verizon New England Inc. and Verizon New York Inc. are included in NDP. (C)
(C)
- (a) Special Access DS1 Service Channel Terminations, Section 30.7.9(A)(1)(a) and Section 31.7.9(A)(1)(a) of FCC11, as determined in accordance with Section 15.4 of FCC11, and/or on a detariffed basis. (C)
- (b) Detariffed Special Access DS1 Service Channel Mileage. (C)
- (c) Detariffed Special Access DS1 Service DS1 to Voice Multiplexing in New York/Connecticut. (C)
- (d) Detariffed Special Access DS1 Service DS1 to DS0 Multiplexing in New York/Connecticut. (C)
- (e) Detariffed Special Access DS3 Service primary Channel Terminations with optical and electrical interfaces, Base Rates. (C)
(C)
- (f) Special Access DS3 Service secondary Channel Terminations with optical and electrical interfaces, Base Rates, Section 31.7.9(A)(1)(c) of FCC11, as determined in accordance with Section 15.4 of FCC11, and/or on a detariffed basis. (D)
(D)
(C)
- (g) Detariffed Special Access DS3 Service optical and electrical Channel Mileage, Banded Base Rates, as applicable. (C)
(D)
- Detariffed Special Access DS3 Service optical and electrical Channel Mileage, Base Rates, as applicable. (C)
- (h) Detariffed Special Access DS3 Service DS3 to DS1 Multiplexing, Base Rates. (C)
- (i) (C)

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.5 Application of Discount (Cont'd)(A) Discounted Rate Elements (Cont'd)

- (3) The following Discounted Rate Elements offered in the operating territories of Verizon North LLC (0169) and Verizon South Inc. (4337) are included in NDP: (C)
(C)
- (a) Special Access High Capacity DS1 (1.544 Mbps) Facilities - SAL rate elements of a Standard Arrangement as specified in Section 5.7.7 of FCC14, as determined in accordance with Section 19.2 of FCC14, and/or on a detariffed basis. (C)
(C)
- (b) Detariffed Special Access High Capacity DS1 (1.544 Mbps) Facilities - Special Transport Facility and Termination rate elements of a Standard Arrangement (see Note 2). (C)
(D)
- (c) Special Access High Capacity DS3 (44.736 Mbps) Facilities - SAL rate elements of an Individual System or a 3 System configuration (with or without Telephone Company electronics) as specified in Sections 5.7.10 and 5.7.12 of FCC14, respectively, as determined in accordance with Section 19.2 of FCC14, and/or on a detariffed basis (see Note 3). (C)
- (d) Detariffed Special Access High Capacity DS3 (44.736 Mbps) Facilities - Banded Special Transport rate elements of an Individual System, a 3 System, or an Unlimited System configuration. (C)
(D)
- (e) Detariffed Special Access High Capacity DS3 (44.736 Mbps) Facilities - Special Transport Facilities and 44.736 Mbps Terminations of an Individual System, a 3 System or an Unlimited System configuration. (C)
(D)

Note 2: All Special Transport rate elements of the MetroLAN Optional Arrangement are not Discounted Rate Elements.

Note 3: All SAL rate elements of an Unlimited System are not Discounted Rate Elements.

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)

22.1 National Discount Plan# (Cont'd)

22.1.5 Application of Discount (Cont'd)

(A) Discounted Rate Elements (Cont'd)

- (4) The following Discounted Rate Elements offered in the operating territories of Verizon North LLC (0170, 0201) and Verizon South Inc. (0864F, 0233) are included in NDP. (C)
(C)
- (a) Special Access High Capacity DS1 Service – Circuit Termination rate elements as specified in Section 7.11.5(A) preceding, and/or on a detariffed basis. (C)
- (b) Detariffed Special Access High Capacity DS1 Service – Fixed and Per Mile Circuit Mileage rate elements (see Note 2). (C)
- (c) Special Access High Capacity DS3 Service - Circuit Termination rate elements of an Individual System or a 3 Capacity System configuration (with or without Telephone Company electronics) as specified Section 7.11.5(E) preceding, and/or on a detariffed basis (see Note 3). (C)
- (d) Detariffed Special Access High Capacity DS3 Service - Banded Circuit Mileage rate elements of an Individual System, an Unlimited System, a 3 Capacity System or a 12 Capacity System configuration . (C)
(D)
- (e) Detariffed Special Access High Capacity DS3 Service - Fixed and Per Mile Circuit Mileage rate elements of an Individual System, an Unlimited System, a 3 Capacity System or a 12 Capacity System configuration. (C)
(D)

Note 2: All Circuit Mileage rate elements of the MetroLAN Optional Arrangement are not Discounted Rate Elements.

Note 3: All Circuit Termination rate elements of an Unlimited System, a 12 Capacity System, or a 24 Capacity System are not Discounted Rate Elements.

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)

22.1 National Discount Plan# (Cont'd)

22.1.6 Special Access DS3 Service Channel Mileage Rates

Special Access DS3 Service Channel Mileages Rates are detariffed.

(N)

(D)

(D)

22.1.7 Annual True-Up

After each Anniversary Date during the Term, the Telephone Company will conduct an Annual True-Up which shall be used to determine the NDP Customer's compliance with its established Commitment Levels and Discount Tiers for the Annual True-Up Period.

(A) The Annual True-Up shall consist of the following steps which shall be conducted by the Telephone Company in the following order:

- (1) Calculate the Monthly Average Count of Equivalent DS1 CTs and Monthly Average Count of Equivalent DS1 CMs, each as described in Section 22.1.7(B) following; and
- (2) Compare the Monthly Average Count of Equivalent DS1 CMs against the CM Commitment Level, and the Monthly Average Count of Equivalent DS1 CTs against the CT Commitment Level to determine if the NDP Customer (a) has met its applicable Commitment Level(s); or (b) has exceeded its applicable Commitment Level(s), as each is described in (B) following; and
- (3) If the NDP Customer has not met its CT Commitment Level and/or CM Commitment Level, as applicable, then calculate the Shortfall Penalty that is due in accordance with Section 22.1.7(C) following. If the NDP Customer has exceeded its CT Commitment Level or CM Commitment Level, as applicable, then calculate any adjustment to one or both Commitment Level(s) in accordance with Section 22.1.7(B) following; and
- (4) Determine if the Achieved Discount Tier is the same as the Assigned Discount Tier. For an NDP Customer under a Standard Commitment Matrix or Premier Commitment Matrix, if the Assigned Discount Tier is different than the Achieved Discount Tier, then the Telephone Company shall calculate the applicable Discount Tier Adjustment in accordance with Section 22.1.7(D) following. No Discount Tier Adjustment is calculated for an NDP Customer under a Deluxe Commitment Matrix; and
- (5) Assuming the NDP Customer is eligible for the Commitment Buy-Up Bonus for either its CT Commitment Level or CM Commitment Level, or both, and the NDP Customer elects to exercise such Commitment Buy-Up Bonus Option, the Telephone Company will calculate the applicable CBB Discount in accordance with Section 22.1.7(E) following. No later than thirty (30) calendar days prior to the Anniversary Date of its NDP, the NDP Customer must notify the Telephone Company in writing of its intent to exercise the Commitment Buy-Up Bonus Option.

Service availability limited. Refer to # footnote on Page 22-1.

ACCESS SERVICE

22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.7 Annual True-Up (Cont'd)

(C) Shortfall Penalty

A Shortfall Penalty is assessed against (i) the CT Commitment Level when the NDP Customer's Monthly Average Count of Equivalent DS1 CTs is less than the CT Commitment Level; or (ii) the CM Commitment Level is less than the NDP Customer's Monthly Average Count of Equivalent DS1 CMs. There are two methods (i.e., Option 1 or Option 2) of determining and calculating the Shortfall Penalty. The Telephone Company will calculate the Shortfall Penalty using both methods and apply the method that produces the lesser Shortfall Penalty.

Option 1 Shortfall Penalty Method and Calculation

(1)

(Step 1) Calculate the Monthly Average Count of Equivalent DS1 CTs and the Monthly Average Count of Equivalent DS1 CMs during the Annual True-Up Period as set forth in Section 22.1.7(B)(1) preceding.

(Step 2) Determine the Monthly Shortage of Equivalent DS1 CTs and/or the Monthly Shortage of Equivalent DS1 CMs, as applicable.

(a) The NDP Customer's Monthly Shortage of Equivalent DS1 CTs will be determined by subtracting (i) the Monthly Average Count of Equivalent DS1 CTs determined in Step 1; from (ii) the CT Commitment Level.

(b) The NDP Customer's Monthly Shortage of Equivalent DS1 CMs will be determined by subtracting (i) the Monthly Average Count of Equivalent DS1 CMs determined in Step 1; from (ii) the CM Commitment Level.

(Step 3) Calculate the Average Monthly Rate per Equivalent DS1 CT and/or the Average Monthly Rate per Equivalent DS1 CM, as applicable.

(a) The Average Monthly Rate per Equivalent DS1 CT is calculated by (i) adding the total Monthly Charges billed for all Channel Termination and multiplexing (multiplexing is excluded in the operating territories of Verizon North LLC and Verizon South Inc.) Discounted Rate Elements, during each month of the Annual True-Up Period; and (ii) dividing the result in (i) preceding by twelve months; and (iii) dividing the result in (ii) preceding by the Average Monthly Count of Equivalent DS1 CTs calculated in Step 1. (C)

(b) The Average Monthly Rate per Equivalent DS1 CM is calculated by (i) adding the total Monthly Charges billed for all Channel Mileage Discounted Rate Elements, during each month of the Annual True-Up Period; and (ii) dividing the result in (i) preceding by twelve months; and (iii) dividing the result in (ii) preceding by the Average Monthly Count of Equivalent DS1 CMs calculated in Step 1. (C)

Service availability limited. Refer to # footnote on Page 22-1.

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22. Discount Plans (Cont'd)
 22.1 National Discount Plan# (Cont'd)
 22.1.7 Annual True-Up (Cont'd)
 (D) Discount Tier Adjustment

(2) (Cont'd)

(Step 3) Calculate the Non-Discounted Billed Amounts.

The Non-Discounted Billed Amount(s) are (a) the total Monthly Charges for the Channel Termination and multiplexer Discounted Rate Elements that the NDP Customer would have paid during the Annual True-Up Period if the discount percentages as set forth in Section 22.1.5(B) preceding were not applied; and (b) the total Monthly Charges for the Channel Mileage Discounted Rate Elements that the NDP Customer would have paid during the Annual True-Up Period, if the discount percentages as set forth in Section 22.1.5(B) preceding were not applied. Discounted Rate Elements are specified in Section 22.1.5(A) preceding. The Non-Discounted Billed Amount(s) are calculated as follows.

- (1) Calculate the Non-Discounted Billed Amount for Special Access DS1 Service Channel Termination Discounted Rate Elements (excluding the operating territories of Verizon North LLC and Verizon South Inc.) by (i) adding the billed Monthly Charges for all such Channel Terminations in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (C) (C)

As an illustrative example, assume the total Monthly Charges billed for such Channel Terminations was \$12,000,000 and, pursuant to the discount tables set forth in Section 22.2.5(B) preceding, the Assigned Discount Tier yielded a discount percentage of 36%. The total Non-Discounted Billed Amount would have been $\$12,000,000 / (1 - 0.36) = \$18,750,000$.

- (2) Calculate the Non-Discounted Billed Amount for the Special Access DS1 Service multiplexer Discounted Rate Elements (multiplexing is excluded in the operating territories of Verizon New England Inc., Verizon North LLC and Verizon South Inc.) by (i) adding the billed Monthly Charges for all such multiplexers in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (C) (C)
- (3) Calculate the Non-Discounted Billed Amount for Special Access DS3 Service Channel Termination Discounted Rate Elements (excluding the operating territories of Verizon North LLC and Verizon South Inc.) by (i) adding the billed Monthly Charges for all such Channel Terminations in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (C) (C)
- (4) Calculate the Non-Discounted Billed Amount for Special Access DS3 Service multiplexer Discounted Rate Elements (excluding the operating territories of Verizon North LLC and Verizon South Inc.) by (i) adding the billed Monthly Charges for all such multiplexers in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (C) (C)

Service availability limited. Refer to # footnote on Page 22-1.

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22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.7 Annual True-Up (Cont'd)

(D) Discount Tier Adjustment

(2) (Cont'd)

(Step 3) (Cont'd)

- (5) Calculate the Non-Discounted Billed Amount for Special Access DS1 Service SAL Discounted Rate Elements and Special Access DS1 Service Circuit Termination Discounted Rate Elements in the operating territories of Verizon North LLC and Verizon South Inc. by (i) adding the billed Monthly Charges for all such SALs and Circuit Terminations in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (D) (C)
- (6) Calculate the Non-Discounted Billed Amount for Special Access DS3 SAL Discounted Rate Elements and Special Access DS3 Service Circuit Termination Discounted Rate Elements in the operating territories of Verizon North LLC and Verizon South Inc. by (i) adding the billed Monthly Charges for all such SALs and Circuit Terminations in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (D) (C)
- (7) Calculate the Non-Discounted Billed Amount for Special Access DS1 Service Channel Mileage Discounted Rate Elements (excluding the operating territories of Verizon North LLC and Verizon South Inc.) by (i) adding the billed Monthly Charges for all such Channel Mileage in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (C) (C)
- (8) Calculate the Non-Discounted Billed Amount for Special Access DS3 Service Channel Mileage (including Banded Channel Mileage and Base Rate Channel Mileage) Discounted Rate Elements (excluding the operating territories of Verizon North LLC and Verizon South Inc.) by (i) adding the billed Monthly Charges for all such Channel Mileage in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (C) (C)
- (9) Calculate the Non-Discounted Billed Amount for Special Access DS1 Service Special Transport Discounted Rate Elements and Special Access DS1 Service Circuit Mileage in the operating territories of Verizon North LLC and Verizon South Inc. by (i) adding the billed Monthly Charges for all such Special Transport and Circuit Mileage in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (C) (C)

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22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.7 Annual True-Up (Cont'd)

(D) Discount Tier Adjustment

(2) (Cont'd)

(Step 3) (Cont'd)

- (10) Calculate the Non-Discounted Billed Amount for Special Access DS3 Service Special Transport (including Banded Special Transport and Special Transport) Discounted Rate Elements and Special Access DS3 Service Circuit Mileage (including Banded Circuit Mileage and Circuit Mileage) in the operating territories of Verizon North LLC and Verizon South Inc. by (i) adding the billed Monthly Charges for all such Special Transport and Circuit Mileage in each month of the Annual True-Up Period; and (ii) then dividing the number derived in (i) preceding by one (1) minus the discount percentage associated with the Assigned Discount Tier for such Discounted Rate Element. (D) (C)

(Step 4) Calculate the difference in the discount percentages.

For each of the Discounted Rate Element categories specified in (1) through (10) of Step 3 above, using the discount percentages set forth in 22.1.5(B) preceding, individually calculate the difference between (i) the discount percentage of the Achieved Discount Tier; and (ii) the discount percentage of the Assigned Discount Tier.

For example, if the Assigned Discount Tier for Channel Terminations across FCC1 and FCC11 under category (1) of Step 3 preceding has a discount percentage of 36% and the Achieved Discount Tier for category (1) of Step 3 preceding has a discount percentage of 35%, then the difference in the discount percentages is 1%.

(Step 5) Individually calculate the dollar amount of the Discount Tier Adjustments.

For each Discounted Rate Element category specified in (1) through (10) of Step 3 above, individually calculate the dollar amount of the Discount Tier Adjustment by multiplying (i) the Non-discounted Billed Amount calculated for each Discounted Rate Element category in Step 3 above; by (ii) the difference in the discount percentage determined in Step 4 above for such Discounted Rate Element category.

(Step 6) Calculate the total Discount Tier Adjustment for the NDP

- (a) Add the total of the Discount Tier Adjustments for the Channel Termination and multiplexer rate elements as calculated in Step 5. The resulting total is the Discount Tier Adjustment for Channel Terminations and multiplexers.
- (b) Add the total of the Discount Tier Adjustments for the Channel Mileage rate elements as calculated in Step 5. The resulting total is the Discount Tier Adjustment for Channel Mileage.

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22. Discount Plans (Cont'd)22.1 National Discount Plan# (Cont'd)22.1.7 Annual True-Up (Cont'd)

(D) Discount Tier Adjustment

- (3) For NDP Customers who elected the Standard Commitment Matrix or the Premier Commitment Matrix, Discount Tier Adjustments may result in a debit adjustment or credit adjustment to the NDP Customer's bill. The Telephone Company will apply the Discount Tier Adjustment calculated in (D)(2)(a) preceding to the BAN(s) designated by the NDP Customer under Section 22.1.2(C)(5) preceding. The Discount Tier Adjustment is not subject to late payment penalty under Section 2.4.1 preceding, except when the bill containing a debit Discount Tier Adjustment is not paid by the payment date.

- (4) As an illustrative example of an adjustment to a higher Discount Tier for Channel Terminations, assume that (i) the NDP Customer is under the Premier Commitment Matrix; and (ii) the Assigned Discount Tier for Channel Terminations is Discount Tier D (120,001 to 195,000 Equivalent DS1 CTs) which provides a 36% discount for DS1 Channel Terminations; and (iii) no Discount Tier Adjustment is required for Channel Mileage because the NDP Customer's Achieved Discount Tier is the same as the Assigned Discount Tier for the Annual True-Up Period (i.e., the Telephone Company will disregard categories (7) through (10) of Step 3 in Section 22.1.7(D)(3) preceding).

(Step 1) Calculate the Monthly Average Count of Equivalent DS1 CTs in accordance with Section 22.1.7(B)(1) preceding. In this example, assume that this number is calculated as 201,000 Equivalent DS1 CTs.

(Step 2) Determine the Achieved Discount Tier in accordance with category (a) of Step 3 in Section 22.1.7(D)(2)(a) preceding. For purposes of this example, assume that Achieved Discount Tier for Channel Terminations (excluding the operating territories of Verizon North LLC and Verizon South Inc.) is Tier E (195,001 to 275,000 which has a 37% discount). Since the Monthly Average Count of Equivalent DS1 CTs is 201,000 Equivalent DS1 CTs, the corresponding Achieved Discount Tier for Channel Terminations is Tier E (195,001 to 275,000 which has a corresponding discount percentage of 37% discount). (C)

Since the Achieved Discount Tier (Tier E) is a higher Discount Tier than the Assigned Discount Tier (Tier D), proceed with Steps 3 through 6 of Section 22.1.7(D)(2)(a) preceding.

(Step 3) Calculate the Non-Discounted Billed Amounts for each Channel Termination and multiplexer Discounted Rate Element category specified in Step 3 of Section 22.1.7(D)(2)(a) preceding.

The Non-Discounted Billed Amount for DS1 Channel Terminations under FCC1 and FCC11 (i.e., category (1) of Step 3 in Section 22.1.7(D)(2)(a) preceding), is calculated as follows:

- (i) For this example, assume the total billed Monthly Charges for DS1 Channel Terminations under FCC1 and FCC11 is \$12,000,000.
- (ii) Remove the discount associated with the Assigned Discount Tier [$\$12,000,000 / (1 - 0.36) = \$18,750,000$].

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22. Discount Plans (Cont'd)
 22.1 National Discount Plan# (Cont'd)
 22.1.7 Annual True-Up (Cont'd)
 (D) Discount Tier Adjustment

(4) (Cont'd)

(Step 3) (Cont'd)

The monthly Non-Discounted Billed Amount for DS1 Channel Terminations (i.e., category (1) of Step 3 in Section 22.1.7(D)(2)(a) preceding) is \$18,750,000.

In accordance with Step 3 of Section 22.1.7(D)(2)(a) preceding, calculate the monthly Non-Discounted Billed Amount for each of the remaining Channel Termination and multiplexer Discounted Rate Elements (categories (2) through (6) of Step 3 in Section 22.1.7(D)(2)(a) preceding).

- (Step 4) Calculate the difference in the discount percentage between the Assigned Discount Tier and the Achieved Discount Tier for the Channel Termination Discounted Rate Elements (i.e., category (1) of Step 3 in Section 22.1.7(D)(2)(a) preceding). For this Discounted Rate Element category, the difference is calculated as follows: [37% Achieved Discount Tier - 36% Assigned Discount Tier = 1% difference] (D)

In accordance with Step 4 of Section 22.1.7(D)(2)(a) preceding, calculate the difference in the discount percentage between the Assigned Discount Tier and the Achieved Discount Tier for each of the remaining Channel Termination and multiplexer Discounted Rate Elements (i.e., categories (2) through (6) of Step 3 in Section 22.1.7(D)(2)(a) preceding).

- (Step 5) Calculate the dollar amount of the Discount Tier Adjustments for the Channel Termination Discounted Rate Elements (i.e., category (1) of Step 3 in Section 22.1.7(D)(2)(a) preceding). For this Discounted Rate Element category, the dollar amount is calculated as follows [18,750,000 Non-Discounted Billed Amount from Step 3 x 1% difference in discount percentage from Step 4 = \$187,500]. (D)

In accordance with Step 5 of Section 22.1.7(D)(2)(a) preceding, calculate the dollar amount for each of the remaining Channel Termination and multiplexer Discounted Rate Elements (i.e., categories (2) through (6) of Step 3 in Section 22.1.7(D)(2)(a) preceding).

Assume the calculations in Steps 3 through 5 above preceding are done for each of the remaining Channel Termination and multiplexer Discounted Rate Elements (i.e., categories (2) through (6) of Step 3 in Section 22.1.7(D)(2)(a) preceding). Further assume the calculations yield the following Discount Tier Adjustments:

DS1 Multiplexer	\$100,000	(D)
DS3 CT	\$200,000	(D)
DS3 Multiplexer	\$150,000	(D)
DS1 CT Verizon North LLC and Verizon South Inc.	\$100,000	(C)
DS3 CT Verizon North LLC and Verizon South Inc.	\$200,000	(C)

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